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Experiment S-213
SELENOCENTRIC GEODETIC
REFERENCE SYSTEM

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F. Doyle, A. Elassal, J. Lucas

Appendix A

Lunar Terrain Point Positions

Appendix B

Exposure Station Positions

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Frederick J. Doyle
Atef A. Elassal
James R. Lucas

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Houston, Texas 77058

Submitted by
Geodetic Research and Development Laboratory
National Oceanic and Atmospheric Administration
Rockville, Maryland 20852

and

Topographic Division
United States Geological Survey
Reston, Virginia 22092



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PREFACE

When the metric camera, stellar camera, laser altimeter package was implemented for the later Apollo missions it was evident that one of the major projects which could be performed was the establishment of a Selenocentric Control Network. Two members of the Apollo Orbital Science Photo Team, Frederick J. Doyle of the U.S. Geological Survey and Hellmut H. Schmid of the National Geodetic Survey, prepared essentially parallel proposals to perform this task. The analytical approach in each of the two proposals was nearly identical and it was obvious to the proposers that there would be little point in NASA undertaking both of them. By agreement within the Orbital Science Photo Team it was decided to submit a single proposal in response to memo change 36-NHB 80301A of February 1, 1971. Dr. Schmid would be the Principal Investigator with Mr. Doyle as Co-Investigator.

Contract T-1168B for experiment S-213 entitled Selenocentric Geodetic Reference System was awarded by NASA LBJ Space Center to the Geodetic Research and Development Laboratory of National Ocean Survey, and initial funding was provided in February of 1972.

Software development was begun immediately. Photographic mensuration was to be supplied by DMA/AC and DMA/TC, but this proceeded much more slowly than had been anticipated. Actual computations using real data were not begun until spring of 1974.

In January of 1974, Dr. Schmid went to Switzerland as a Visiting Professor at the Technical University in Zurich. Mr. Doyle took over the responsibilities of Principal Investigator. In September of 1974 Dr. Schmid retired from the National Geodetic Survey and moved permanently to Switzerland. By letter dated November 12, 1974, from Mr. Noel Hinners to the U.S. Geological Survey, Mr. Doyle was appointed Principal Investigator with Mr. James R. Lucas of National Geodetic Survey as Co-Investigator. Contract administration remained with National Geodetic Survey.

This document is the final technical report for contract T-1168B. Principal authors are Frederick J. Doyle, Atef A. Elassal, and James R. Lucas. The authors wish to acknowledge the technical contribution of the following individuals at National Geodetic Survey:

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SELENOCENTRIC GEODETIC REFERENCE SYSTEM

Frederick J. Doyle

Atef A. Elassal

James R. Lucas

1. Introduction

After the successful landing on the Moon by Apollo 11, NASA chartered the Apollo Orbital Science Photo Team, with Frederick J. Doyle as chairman, to plan and supervise the acquisition of orbital science photography on the remaining missions. At that time the Apollo Program was planned for a total of twenty missions, and it was contemplated that several of these would be in high inclination orbits--perhaps even polar.

The Team immediately undertook development and implementation of a photogrammetric system which would provide accurate selenodetic positions and topographic mapping of all areas overflowed by the orbital spacecraft. The recommended system was operational by Apollo 15. In the meantime the program was reduced from twenty to seventeen missions, and the selection of landing sites reduced the total amount of coverage drastically below what had been anticipated.

The photogrammetric system was installed in the Scientific Instrument Module (SIM) bay of the Apollo Command Service Module (CSM). The system consisted of a 76-mm focal length mapping camera with $74^{\circ} \times 74^{\circ}$ angular field, coupled with a stellar camera of 76-mm focal length and $18^{\circ} \times 24^{\circ}$ angular field, and a laser altimeter with a 300μ radian angular field and a least count of 1 meter. In addition, a panoramic camera with 610-mm focal length and $11^{\circ} \times 108^{\circ}$ coverage was included to provide adequate resolution to support large-scale mapping.

In theory, this system provided everything (focal length excepted) that a photogrammetrist could want: The position of each exposure station would be obtained from Earth-based tracking; the orientation of each photograph could be computed from the synchronized stellar exposure and the lock-angles determined by preflight calibration; and the scale of each stereomodel would be obtained directly from the altimeter data.

Operationally, the data acquisition was adequate, but less than optimum. Orbital ephemerides provided by NASA were found to have large systematic deviations from the photogrammetrically determined spacecraft positions, at least for Apollo 15. For the other two

missions the deviations were smaller, but far from insignificant. These systematic errors are believed to be the result of the primitive orbit determination procedures in use at the time of the Apollo 15 mission, inadequate models of the lunar gravity field, and spacecraft oscillations induced by uncoupled thrusting and various activities of the astronauts.

The stellar camera, which was aimed near the pole of the orbit, was expected to provide mapping camera roll and yaw good to 5 arc seconds and pitch to 15 arc seconds. The larger pitch error is a consequence of the angular field of view of the stellar camera, which limits the precision of stellar camera yaw, and this angle corresponds to mapping camera pitch. Most of the stellar derived orientations were at or near the expected precision, but approximately 15 percent had errors several times this magnitude due to the small number and poor distribution of stars of sufficient brightness to be imaged by the stellar camera.

Furthermore, the laser altimeter failed early in the data collection phase of mission 15 and did not always function properly during the later missions. Consequently, range data were available for much less than half of the usable exposures.

The original objectives of the research effort were:

- (a) Provide a single integrated selenocentric control network with geodetic positions and elevations for numerous points within the area photographed
- (b) Provide a complete error analysis of the control network
- (c) Provide an independent solution of lunar physical libration parameters for the time of each mission
- (d) Provide a unified set of spacecraft positions as an aid to eventual refinement of the lunar gravity field
- (e) Derive a mathematical ellipsoidal figure for the Moon.

As the limitations in coverage and data quality developed, it became apparent that less than optimum results could be obtained. Particularly damaging was the failure to close the band of photography completely around the Moon. Nearly as bad was the limitation in latitude resulting from the selection of landing sites. These necessitated dropping objective (e) entirely, and greatly degraded the quality of results for objectives (a), (c), and (d).

An independent triangulation of the Apollo photographs was performed by the Defense Mapping Agency (DMA) to establish control for the mapping which was their primary responsibility. There are four significant differences between the DMA solution and that performed by NOS/USGS:

- (a) DMA used the orbital constraints provided by the tracking data to force a best fit between tracking and photogrammetry, while NOS/GS elected to abandon all tracking data for a purely photogrammetric solution.
- (b) DMA transformed the camera orientations from the inertial reference frame into the selenocentric coordinate system of date using the Koziel model for lunar librations, while NOS/GS used a model developed more recently by Eckhardt (1973).
- (c) DMA first reduced mission 15 and then fit 16 and 17 to these results, while NOS/GS performed a simultaneous adjustment of all three missions.
- (d) The computer program used by DMA did not include a covariance propagation capability.

Item (a) amounts to a fundamental difference in approach. Item (b) is explained in a subsequent section of this report. Items (c) and (d) are both related to the same operational problem: the simultaneous solution for 23,436 unknown parameters with complete covariance propagation requires a tremendous amount of "computer muscle," a program that can be tailored to the specific problem, the latest adjustment techniques, and a bit of luck.

2. Data Preprocessing

Selection, identification, and measurement of the terrain imagery were accomplished by the Defense Mapping Agency (DMA), which also performed the stellar mensuration and computed the camera orientation angles. Terrain image measurements and computed orientations were then supplied to the National Ocean Survey and the Geological Survey by DMA.

These data consisted of 12 passes (726 photos) from mission 15 and 8 passes (327 photos) from mission 17 which, together, covered a swath of varying width. The left hand limits are 32° N latitude, 295° longitude (measured eastward from the prime meridian); the right hand limits are 24° S latitude, 205° longitude. Along the equator, coverage is from 35° to 140° longitude. This swath is crossed at about 70° longitude by four passes (191 photos) from mission 16, which extended from 12° S latitude, 330° longitude to 12° N latitude,

155° longitude.

An inordinate portion of the manpower expended on this project was devoted to the preprocessing of these data, due primarily to the inability of the NOS computer to read any magnetic tape written by the DMA computers. A tape containing the mission 15 data could not be read on the first attempt because of parity error in a single record in the body of the data. A program was devised to skip records that were damaged by parity errors. On the second reading, more than 100 apparent parity errors were encountered, some of which had not been detected on the first reading. It appeared that these were caused by weak recorded signals that were below the threshold of the NOS reader heads, and that the recorded data were deteriorating with each reading. To make matters worse, through a misunderstanding, the data extracted from the tape on the second reading were destroyed before they could be copied to an NOS tape. The theory of continuing data deterioration was verified when, on the third and final reading, 600 records were lost to parity errors. These were finally recovered by key punching from hard copy supplied by DMA.

The data from mission 16 were supplied on cards, and the mission 17 data tape was read with only a few parity errors. However, shortly after the mission 16 data were reformatted and set up for use, L'A discovered a calibration error which invalidated these data and, subsequently, supplied a new set. Unfortunately, the new mission 16 data were completely unedited. A large number of misidentified images, causing residuals ranging from hundreds of microns to hundreds of millimeters, severely limited the size of data samples that could be handled in editing adjustments.

Furthermore, the mass of image data that had been measured by DMA, in order to insure a sufficient density of terrain points, served to increase the running time of all programs to a prohibitive level without contributing significantly to the quality of the results. Therefore, a program was devised to identify those terrain points whose images occurred in geometrically desirable areas on at least one photograph, i.e., within 5 millimeters of one of the 9 cardinal points. By discarding all terrain points that did not meet this criterion, the data set was reduced to manageable proportions without compromising the geometry. In fact, some frames contained more than 60 images of selected terrain points.

Fortunately, the orientation data supplied by DMA were in the Mean Celestial Coordinate System and had to be transformed into the True Selenocentric System of date. This facilitated the change of libration models, from Koziel to Eckhardt, which was found to be desirable after the preprocessing was nearly complete.

Just when it appeared that all data from all missions were correct and in the proper form, a number of ambiguities were discovered. Some of the numbers assigned to frames from mission 15 were duplicated on mission 17, and to make matters worse, the terrain points associated with laser range observations were assigned the same number as the exposure station with which they coincided. Apparently the adjustment programs used by DMAAC were capable of recognizing two or more separate entities with the same identifying number, but the MUSAT Program used by NOS/GS was not. Therefore, the exposure numbers of mission 17 had to be modified (these were changed back to their original designation for reporting their positions in Appendix B of this report), and some of the ground point numbers had to be modified. While this was not a large task, it required a large number of cards to be punched by hand, and extended the preprocessing time by several weeks.

3. Libration Model

Reduction of the stellar frames provides the orientation of each terrain exposure in the mean celestial coordinate system of 1950.0. The photogrammetric adjustments, on the other hand, must be performed in the true selenographic coordinate system of date. Transformation between these two coordinate systems requires a mathematical model of the lunar librations: the periodic variations in the orientation of the Moon's pole and fluctuations in its rate of rotation.

At the time when DMA began reducing Mission 15, available models of lunar librations were derived primarily from Earth-based optical observations. After consideration of models by Hayn, Koziel, and Eckhardt, DMA found that the differences among them were insignificant for the Apollo reduction and chose the Koziel model. By the time NOS/GS had all of the Apollo data in hand, more sophisticated models had been developed, using lunar laser ranging data and improved estimates of the third and fourth harmonic of the lunar gravity field. Consultation with scientists working in this field led us to prefer an improved Eckhardt model, and Don Eckhardt of AFCRL provided a computer program to employ this model.

A term-by-term comparison of the Koziel and Eckhardt models is provided by the following three tables, in which:

- λ is the mean anomaly of the Moon,
- λ' is the mean anomaly of the Sun,
- F is the geocentric angular distance from the ascending node of the lunar orbit to the Moon, and
- D is the geocentric angular separation of the Sun and Moon.

Table 1
Libration in Node (σ)

Eckhardt Model:

$$\sigma = \frac{1}{I} \sum_{n=1}^{116} S_n \sin(il + jl' + kF + mD) \\ + \sum_{n=1}^{116} C_n \cos(il + jl' + kF + mD) - 8''.12 \sin\Omega + \dots$$

where

$$I = 1^{\circ}32'30''.05 \approx 5400''$$

Koziel Model

$$\sigma = \frac{1}{\sin I} \sum_{n=1}^{11} S_n \sin(il + jl' + kF + mD)$$

where

$$I = 1^{\circ}32'20''.0$$

and

Eckhardt Model		Koziel Model		Argument				Period (days)
S_n	C_n	S_n	C_n	i	j	k	m	
-101''.53	-0''.09	-102''.8		1	0	0	0	27.55
0.32	76.42	0.0		0	0	1	0	27.21
-24.77	0.15	-28.2		1	0	-2	0	26.88
-10.10	-0.00	-15.1		0	0	2	0	13.61
-5.00	-0.00	-3.3		0	0	2	-2	173.41
2.47	-0.00	2.2		1	0	0	-2	31.81
0.00	1.37	0.0		1	0	1	0	13.69
-0.90	-0.00	0.0		2	0	0	0	13.78
-0.81	-0.00	-0.6		1	0	2	0	9.11
0.71	0.68	0.0		1	0	-1	0	2195.12
-0.19	-0.01	0.1		2	0	-2	0	1097.56
.	
.				
.				

Table 2

Libration in Inclination (ρ)

Eckhardt Model:

$$\rho = \sum_{n=1}^{100} S_n \sin(il + jl' + kF + mD) - \sum_{n=1}^{100} C_n \cos(il + jl' + kF + mD) + 8''.24 \cos \Omega - \dots$$

Koziel Model:

$$\rho = \sum_{n=1}^{11} C_n \cos(il + jl' + kF + mD)$$

where

Eckhardt Model		Koziel Model		Argument				Period (days)
S_n	C_n	S_n	C_n	i	j	k	m	
0''09	-99''23	-100''8		1	0	0	0	27.55
-76.46	0.32	0.0		0	0	1	0	27.21
0.14	24.84	28.2		1	0	-2	0	26.88
0.00	-10.56	-11.1		0	0	2	0	13.61
0.00	-3.08	-3.3		0	0	2	-2	173.41
-0.00	-1.94	-2.2		1	0	0	-2	31.81
0.00	-0.73	-0.6		1	0	2	0	9.11
-0.16	-0.73	0.0		1	0	-1	0	2195.12
-0.70	0.00	0.0		1	0	1	0	13.69
-0.00	0.51	0.0		1	0	2	-2	23.78
-0.01	-0.03	-0.1		2	0	-2	0	1097.56
.	
.	
.	

Table 3
Libration in Longitude (τ)

Eckhardt Model:

$$\tau = \sum_{n=1}^{73} S_n \sin (i\ell + j\ell' + kF + mD) + \sum_{n=1}^{73} C_n \cos (i\ell + j\ell' + kF + mD)$$

$$-7''.44 \sin \Omega + 14''.27 \sin(193^\circ.44 - 0.004t) + \dots + 254''.267$$

Koziel Model:

$$\tau = \sum_{n=1}^{12} S_n \sin(i\ell + j\ell' + kF + mD) + 7''.6 \sin \Omega$$

where

Eckhardt Model		Koziel Model		i	j	k	m	Period (days)
S_n	C_n	S_n	C_n					
90''.30	0''.01	82''.4		0	1	0	0	365.26
19.10	0.67	-7.5		2	0	-2	0	1097.56
-16.70	-0.01	-15.6		1	0	0	0	27.55
9.88	0.03	9.0		2	0	0	-2	205.95
1.44	-8.64	0.0		1	0	-1	0	2195.12
4.10	-0.00	3.7		1	0	0	-2	31.81
-3.44	-0.00	-3.2		1	0	0	-1	411.90
1.64	0.00	1.7		0	0	2	-2	173.41
-1.22	0.00	0.0		1	-1	0	-1	3225.81
0.95	0.00	0.8		2	-1	0	-2	472.19
-0.48	-0.00	-0.6		0	0	0	2	14.76
-0.44	-0.00	-0.4		2	0	0	0	13.78
.	
.	
.	

Comparison of the tables reveals that, while there are small differences in the coefficients of the two models, the only large differences are:

(a) In the series for $l\sigma$ the Eckhardt model contains a term, $76''.42 \cos F$, which has no counterpart in the Koziel model.

(b) In the series for ρ the Eckhardt model contains a term, $76''.46 \sin F$, which is also missing from Koziel.

(c) In the series for τ the Eckhardt model contains a constant term of $254''.27$ and a 250 day periodic term with an amplitude of $14''.27$ which do not appear in Koziel. Furthermore the coefficients of the triennial term differ between the two models by $26''.6$.

The additional terms in $l\sigma$ and ρ serve to increase the amplitudes of the monthly variation in these librations by about 60%, as shown in figures 1 and 2. These terms are the result of incorporating the third harmonic of the lunar gravitational field into the libration model. Figure 3 shows that there is a large difference in τ computed from the two models resulting from the factors listed above. This longitude offset is approximately $230''$, $275''$ and $290''$ at the times of Apollo 15, 16, and 17 respectively.

These libration parameters can be expressed as variations in the right ascension and declination of the pole of rotation and the rotation rate using

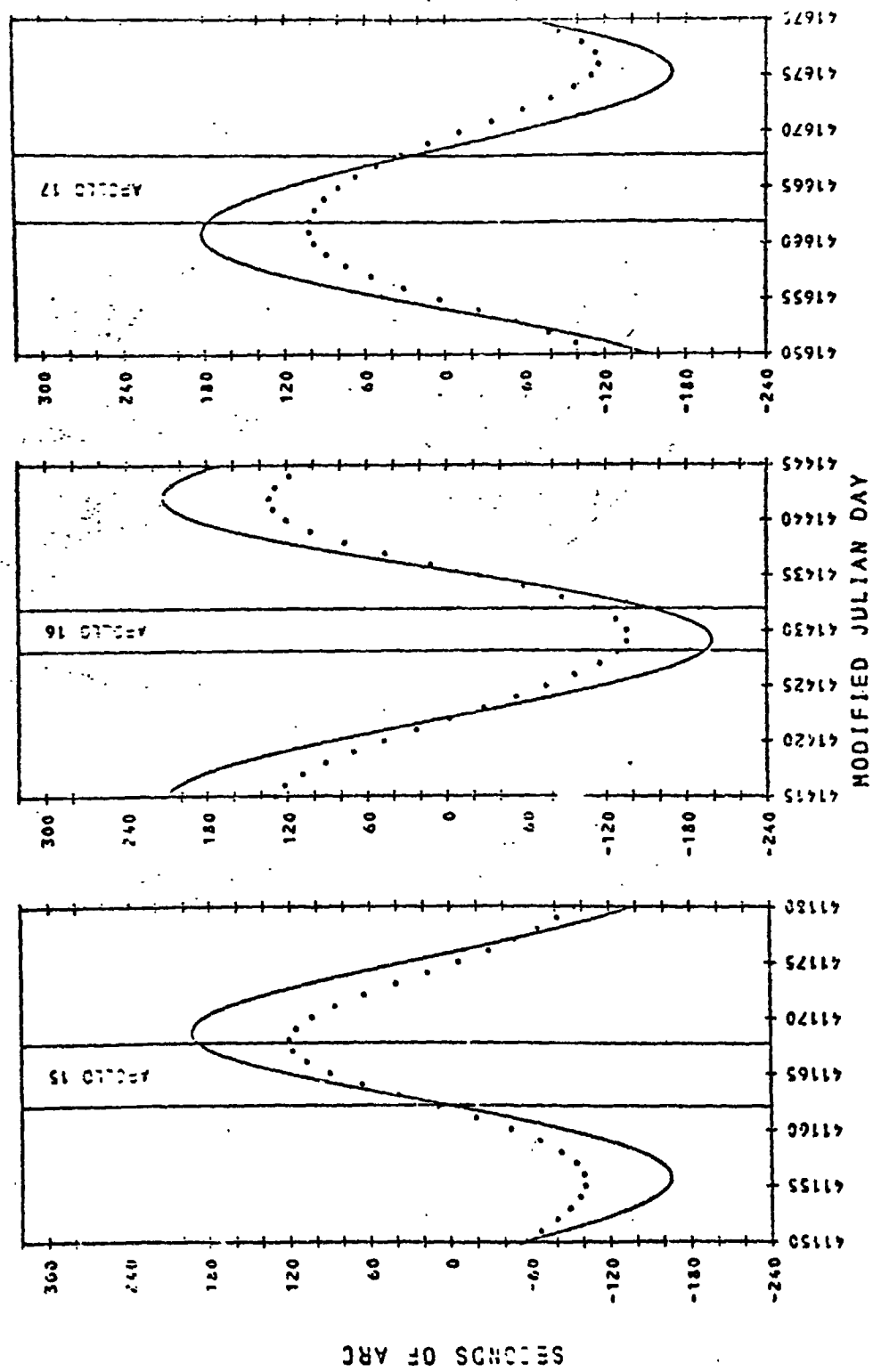
$$\alpha_p = \tan^{-1} \left[\frac{\cos(\Omega + \sigma) \sin(I + \rho) \cos \epsilon - \cos(I + \rho) \sin \epsilon}{-\sin(\Omega + \sigma) \sin(I + \rho)} \right]$$

$$\delta_p = \sin^{-1} [\cos(\Omega + \sigma) \sin(I + \rho) \sin \epsilon + \cos(I + \rho) \cos \epsilon]$$

and

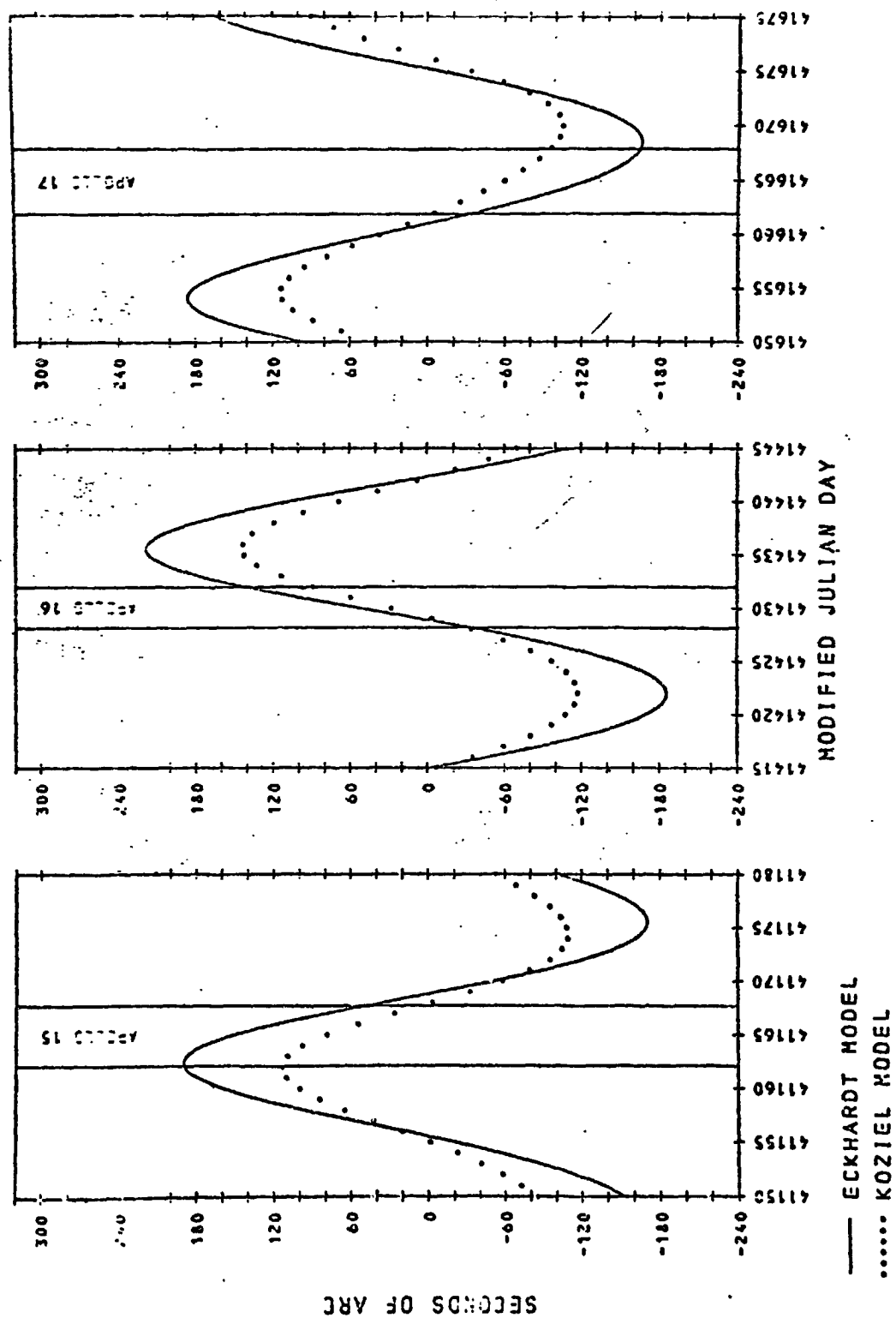
$$\text{Rotation Rate} = 13^{\circ}.1764/\text{day} + \frac{d\tau}{dt}$$

where Ω is the longitude of the descending node of the lunar orbit, I is the mean inclination of the lunar equator with respect to the ecliptic, and ϵ is the obliquity of the ecliptic. The variations in these parameters are shown in figures 4, 5, and 6.



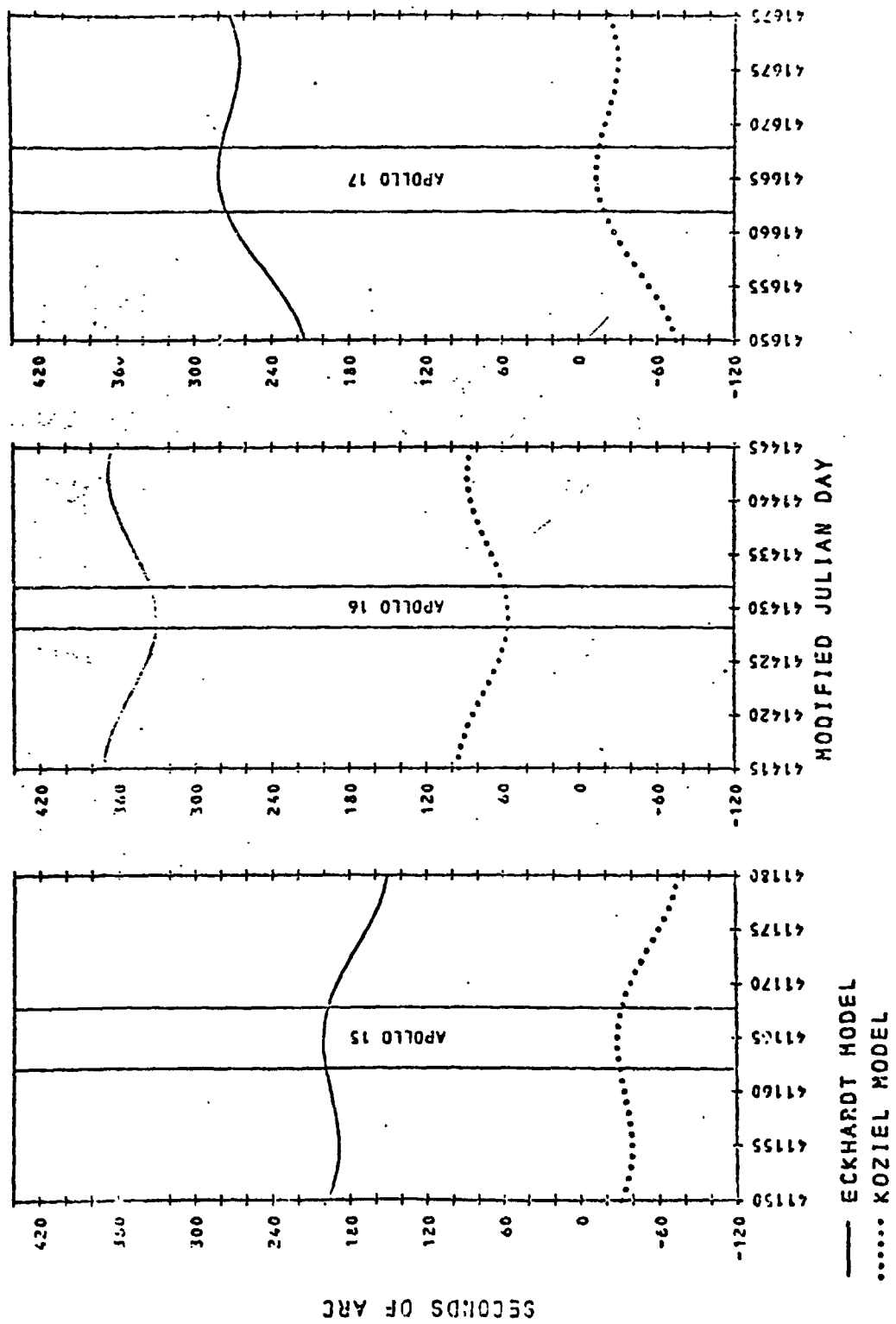
LIBRATION IN NODE

FIG. 1



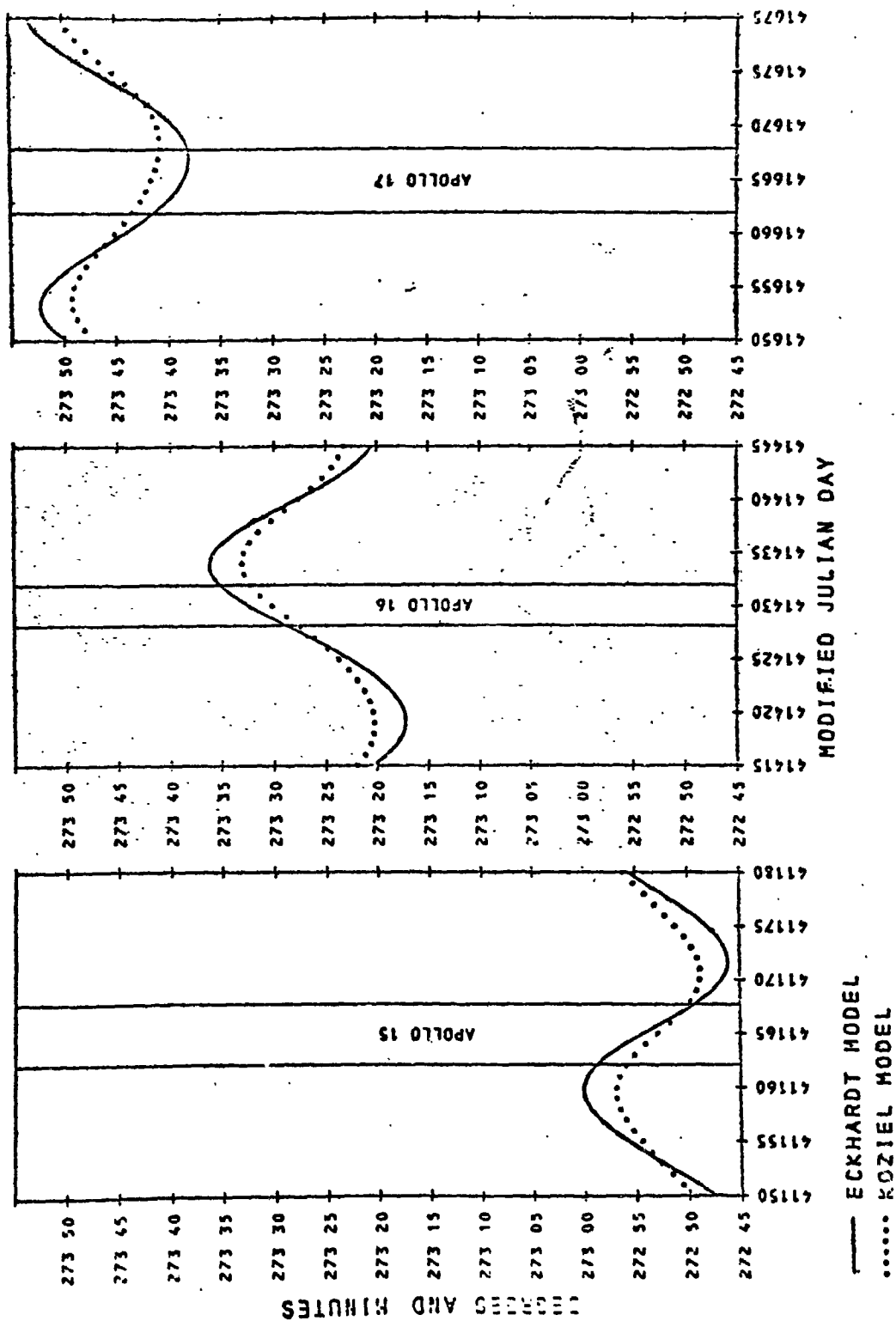
LIBRATION IN INCLINATION

FIG. 2



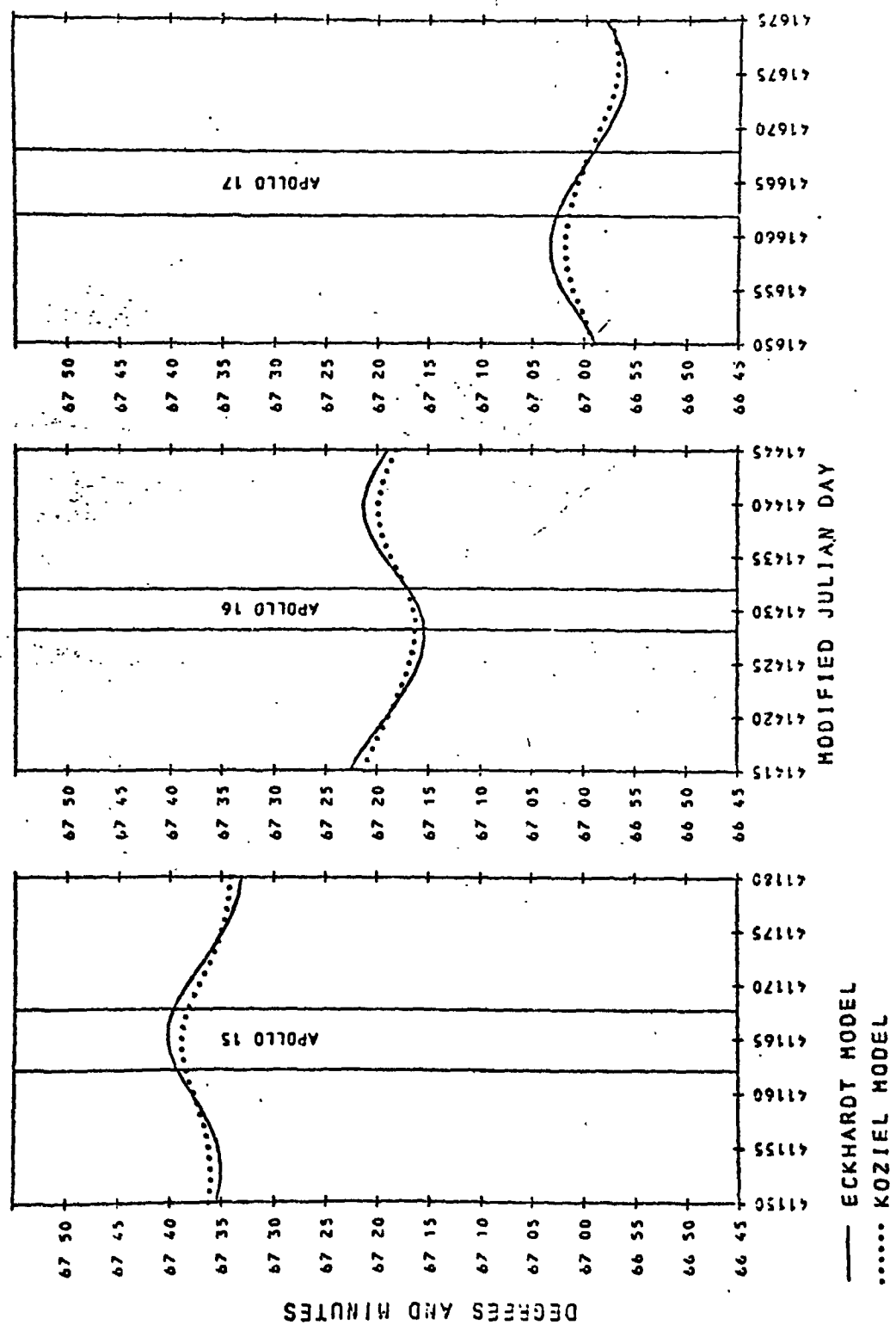
LIBRATION IN LONGITUDE

FIG. 3



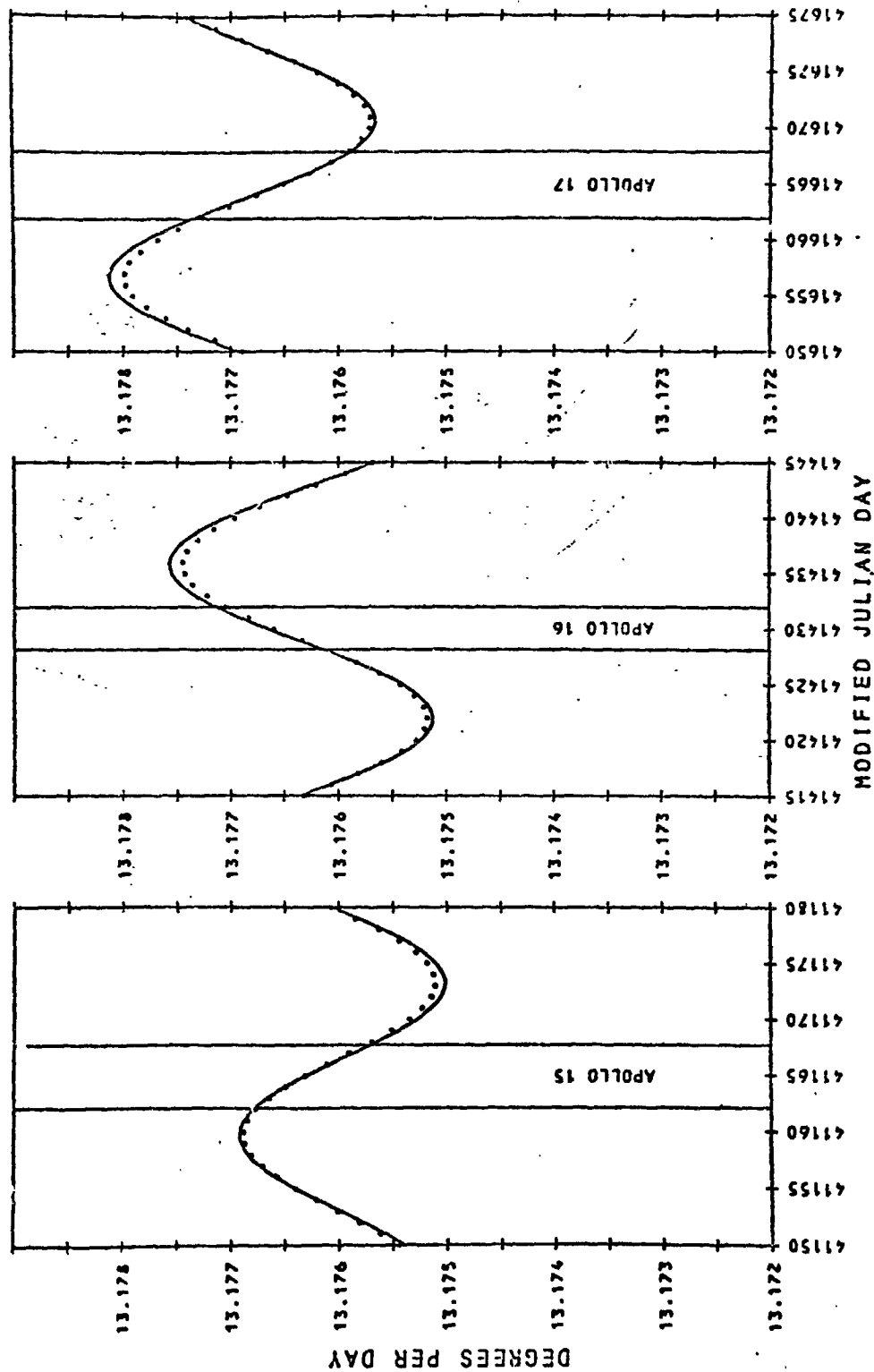
RIGHT ASCENSION OF POLE

FIG. 4



DECLINATION OF POLE

FIG. 5



ROTATION RATE

FIG. 6

Since $\sigma = (I\sigma)/I = 37(I\sigma)$ appears in the expressions for α_p and σ_p , the variations in these quantities are considerably larger than those seen in $I\sigma$ and ρ . However, the rotation rates computed from the two models agree to better than 0.5 per day which shows that there should be no problem in fitting the photographs into a single adjustment no matter which model is used.

On the other hand there is a significant difference between the Selenocentric coordinate systems defined by the two models. A point on the lunar surface (x, y, z) can be transformed into the ecliptic coordinate system using

$$\begin{bmatrix} x' \\ y' \\ z' \end{bmatrix} = R_3(\pi - \hat{\Omega}) R_1(-\hat{I}) R_3(-\hat{\Theta}) \begin{bmatrix} x \\ y \\ z \end{bmatrix}$$

where

$$\hat{\Omega} = \Omega + \sigma$$

$$\hat{I} = I + \rho$$

$$\hat{\Theta} = F - \sigma + \tau$$

and R_i is a rotation about the i -th axis through the argument. The inverse transformation will, of course, result in the original position (x, y, z) . However, if the Eckhardt model is used to transform the position into the ecliptic system and the Koziel model is used for the inverse transformation, the result will be $(x + \Delta x, y + \Delta y, z + \Delta z)$.

Using differentials the following expressions can be derived

$$\Delta x = -y\Delta\hat{\Theta} - z \sin\hat{\Theta} \Delta\hat{I} + (z \sin\hat{I} \cos\hat{\Theta} - y \cos\hat{I})\Delta\hat{\Omega}$$

$$\Delta y = x\Delta\hat{\Theta} - z \cos\hat{\Theta} \Delta\hat{I} - (z \sin\hat{I} \sin\hat{\Theta} - x \cos\hat{I}) \Delta\hat{\Omega}$$

$$\Delta z = (x \sin\hat{\Theta} + y \cos\hat{\Theta}) \Delta\hat{I} - (x \sin\hat{I} \cos\hat{\Theta} - y \sin\hat{I} \sin\hat{\Theta})\Delta\hat{\Omega}$$

where

$$\Delta\hat{\Omega} = \sigma \text{ (Eckhardt)} - \sigma \text{ (Koziel)} = \frac{A}{I} \cos F$$

$$\Delta\hat{I} = \rho \text{ (Eckhardt)} - \rho \text{ (Koziel)} = A \sin F$$

$$\Delta\hat{\Theta} = \tau \text{ (Eckhardt)} - \tau \text{ (Koziel)} - \Delta\hat{\Omega} = B - \frac{A}{I} \cos F$$

in which

$A = 76''$ expressed in radians

and

$B = 254''$ - long period terms (also in radians)

Let the unit of length be the lunar radius and consider the point with $\phi = 0$, $\lambda = 0$, $h = 0$ in the Selenocentric system defined by the Eckhardt model. In Koziel coordinates we have

$$x + \Delta x = 1$$

$$\begin{aligned} y + \Delta y &= \Delta \hat{\theta} + \Delta \hat{\Omega} \cos \hat{I} \\ &= B - \frac{A}{I} \cos F + \frac{A}{I} \cos F \cos \hat{I} \\ &\approx B \end{aligned}$$

$$\begin{aligned} z + \Delta z &= \Delta \hat{I} \sin \hat{\theta} - \Delta \hat{\Omega} \sin \hat{I} \cos \hat{\theta} \\ &= -A \sin F \sin \hat{\theta} - \frac{A}{I} \cos F \sin \hat{I} \cos \hat{\theta} \\ &\approx -A \sin F \sin \hat{\theta} - A \cos F \cos \hat{\theta} = -A \cos(F - \hat{\theta}) \\ &\approx -A \cos(\sigma - \tau) \end{aligned}$$

Since $\sigma - \tau$ varies between plus and minus 2° , $z + \Delta z \approx -A$, and

$$\Delta \phi \approx \sin^{-1}(-A) = 76''$$

$$\Delta \lambda \approx \tan^{-1}(B) = 254'' + \text{long period terms}$$

This shift of the Moon's principal axis was reported by Williams et al (1973). Following the same procedure for the point $\phi = 0$, $\lambda = 90^\circ$, $h = 0$, obtains

$$\Delta \phi \approx 0$$

$$\Delta \lambda \approx 254'' + \text{long period terms}$$

Hence the differences between the selenocentric coordinate systems defined by the two models are approximately:

(a) a rotation about the y-axis of 76"

(b) a rotation about the z-axis of 254" plus long period terms, resulting in 230" for Apollo 15, 275" for Apollo 16, and 290" for Apollo 17.

The longitude differences between missions would create a problem if the Koziel model were to be used and the tracking ephemeris rigidly enforced. DMA used the Koziel model, but did not hold to the ephemeris. In this block adjustment the ephemeris positions are not enforced and the Eckhardt model is used. Therefore, both adjustments are internally consistent, but since they are referred to slightly different selenocentric coordinate systems, there will be differences in the reported coordinates. These can amount to as much as 76" (640 meters) in latitude at $\lambda = 0^\circ$ or 180° and 230" (1,938 meters) in longitude for points on the equator.

4. Mathematical Model for Lunar Orientation and Rotation

Since stellar camera orientation is computed in the celestial inertial coordinate system, and this orientation is transferred to the lunar surface via the calibrated locking angles between the stellar and mapping cameras and the photogrammetric solution, it is possible to compute the orientation and rotation rate of the Moon (physical librations) purely from the photogrammetric data. This requires the formulation of a mathematical model between the fixed (celestial) and the rotating (lunar) coordinate systems.

4.1 Relation between Inertial (XYZ) and Arbitrarily Oriented Rotating (X'Y'Z') Coordinate Systems

Assume (X,Y,Z) to be a rectangular inertial coordinate system and (X',Y',Z') to be a rectangular coordinate system rotating around its Z'-axis. Let the right ascension α and declination δ be the two angles defining the orientation of the axis of rotation Z' in the inertial system (X,Y,Z). Furthermore, let θ be the rotation angle of (X',Y',Z') system around Z'-axis (Figure 7).

The rotation between (X,Y,Z) and (X',Y',Z') is given by the transformation matrix $[L]$, made up of three sequential rotations α , δ , and θ .

$$\begin{bmatrix} X \\ Y \\ Z \end{bmatrix} = [L] \begin{bmatrix} X' \\ Y' \\ Z' \end{bmatrix}$$

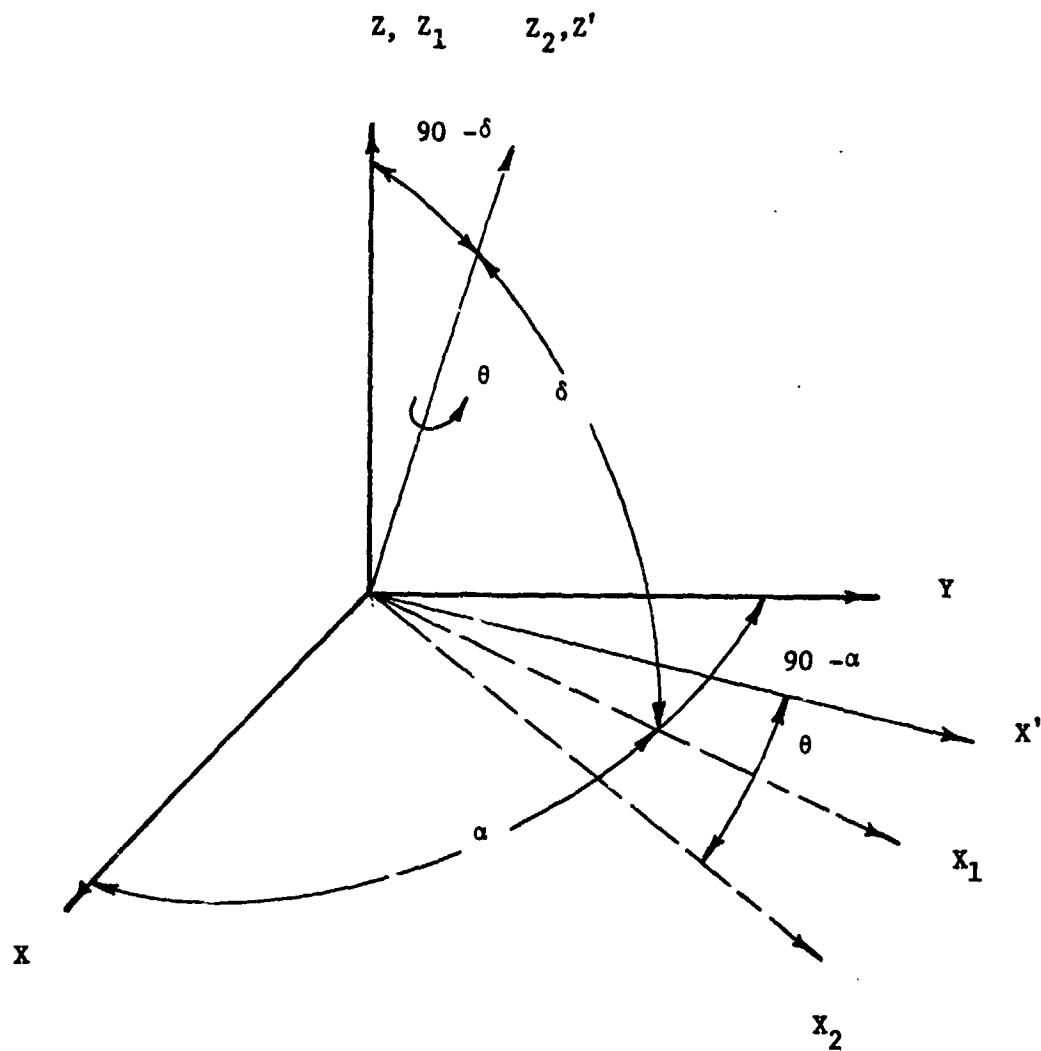


Figure 7
Fixed Inertial and Rotating Lunar Coordinate Systems

$$[L] = \begin{bmatrix} \cos \alpha & -\sin \alpha & 0 \\ \sin \alpha & \cos \alpha & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} \sin \delta & 0 & \cos \delta \\ 0 & 1 & 0 \\ -\cos \delta & 0 & \sin \delta \end{bmatrix} \begin{bmatrix} \cos \theta & -\sin \theta & 0 \\ \sin \theta & \cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad (4-1)$$

The three angles α , δ , and θ could be assumed to be time polynomials of the form:

$$\gamma_t (\text{rotation}) = \sum_{i=0}^{i=n} K_{\gamma_i} (t)^i \quad \{\gamma_t = \alpha_t, \delta_t, \theta_t\}$$

where,

K_{γ_i} are unknown polynomial coefficients, and

t is time from epoch t_0 .

It is anticipated that in reducing Apollo data, α and δ rotations will be held constant for each mission and θ will be a common first order time polynomial for all missions.

4.2 Photogrammetric Constraint for a Camera Photographing a Moving Object.

The condition for the instantaneous collinearity of an object point, lens perspective center, and point image is expressed by the equation:

$$\begin{aligned} \vec{x} = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} &= \gamma [M] [L] \begin{bmatrix} x_1^G - x_1^C \\ x_2^G - x_2^C \\ x_3^G - x_3^C \end{bmatrix} = \gamma [M] [L] \{\vec{x}^G - \vec{x}^C\} \\ &= \gamma [M] [L] \vec{x} = \gamma \vec{x}' \end{aligned} \quad (4-2)$$

where:

- \vec{x} is a vector of image space coordinates of image point.
- \vec{x}^G is a vector of object space coordinates of object point.
- \vec{x}^C is a vector of object space coordinates of lens center
- γ a constant of proportionality
- $[M]$ rotation matrix relating inertial and image reference systems
- $[L]$ rotation matrix relating selenocentric and inertial reference systems.

Eliminating γ from equation (4-2) results in two condition equations which express the geometric requirements for collinearity of object, lens center, and image points.

$$\left. \begin{aligned} 0 = F_1 &= x_1 - x_3 X_1^i / X_3^i = x_1 - a x_3 \\ 0 = F_2 &= x_2 - x_3 X_2^i / X_3^i = x_2 - b x_3 \end{aligned} \right\} \quad (4-3)$$

Linear approximation of equation (4-3) can be obtained by employing a Taylor expansion, neglecting second and higher order terms:

$$\begin{bmatrix} \Delta F_1 \\ \Delta F_2 \end{bmatrix} = \begin{bmatrix} 1 & 0 & -a^0 \\ 0 & 1 & -b^0 \end{bmatrix} \begin{bmatrix} \Delta x_1 \\ \Delta x_2 \\ \Delta x_3 \end{bmatrix} - c^0 \begin{bmatrix} 1 & 0 & -a^0 \\ 0 & 1 & -b^0 \end{bmatrix} \begin{bmatrix} \Delta X_1^i \\ \Delta X_2^i \\ \Delta X_3^i \end{bmatrix} \quad (4-4)$$

where, superscript 0 denotes evaluation at the point around which Taylor expansion is computed. In order to maintain compact notation, the superscript 0 will be dropped in subsequent formulations.

In equation (4-4)

$$\begin{aligned} \Delta F_1 &= a x_3 - x_1 \\ \Delta F_2 &= b x_3 - x_2 \\ c &= x_3 / X_3^i \end{aligned}$$

Equation (4-4) in matrix notation is:

$$\vec{\Delta F} = [A] \vec{\Delta x} - c [A] \Delta X' \quad (4-5)$$

Since,

$$\vec{X}' = [M] [L] \{ \vec{X}^G - \vec{X}^C \} = [M] [L] \vec{X}$$

then

$$\vec{\Delta X}' = [\Delta M] [L] \vec{X} + [M] [\Delta L] \vec{X} + [M] [L] \Delta \vec{X} \quad (4-6)$$

Applying the notion of differential rotation vector to equation (4-6), that is,

$$[\Delta M] = [S_{\Delta \vec{T}_M}] [M] \quad (4-7)$$

in which, $[S_{\Delta \vec{T}_M}]$ is A 3x3 skew-symmetric matrix in the elements

$(\delta T_{M1}, \delta T_{M2}, \delta T_{M3})$ of the differential rotation vector $\Delta \vec{T}_M$.

Equation (4-6) can now be written as:

$$\begin{aligned} \Delta \vec{X}' &= [S_{\Delta \vec{T}_M}] [M] [L] \vec{X} + [M] [S_{\Delta \vec{T}_L}] [L] \vec{X} + [M] [L] \Delta \vec{X} \\ &= [S_{\Delta \vec{T}_M}] \vec{X}' + [M] [S_{\Delta \vec{T}_L}] \vec{X}'' + [M] [L] \Delta \vec{X} \\ &= - [S_{\vec{X}'}] \Delta \vec{T}_M - [M] [S_{\vec{X}''}] \Delta \vec{T}_L + [M] [L] \Delta \vec{X} \end{aligned} \quad (4-8)$$

Substituting (4-8) into (4-5) results in the condition equation

$$\begin{aligned} \Delta \vec{F} &= [A] \Delta \vec{X} + c [A] [S_{\vec{X}'}] \Delta \vec{T}_M + c [A] [M] [S_{\vec{X}''}] \Delta \vec{T}_L \\ &\quad + c [A] [M] [L] \Delta \vec{X}^C - c [A] [M] [L] \Delta \vec{X}^G \\ &= [A] \Delta \vec{X} + [B] \Delta \vec{T}_M + [C] \Delta \vec{T}_L + [D] \Delta \vec{X}^C - [D] \Delta \vec{X}^G \end{aligned} \quad (4-9)$$

4.3 Relationship between Differential Rotation Vector $\Delta \vec{T}_L$ and Differentials of Rotation Angles ($\alpha_t, \delta_t, \theta_t$):

It is possible to prove the following relations:

$$\Delta \vec{T}_L = \begin{bmatrix} 0 & \sin \alpha & l_{13} \\ 0 & -\cos \alpha & l_{23} \\ 1 & 0 & l_{33} \end{bmatrix} \begin{bmatrix} \Delta \alpha_t \\ \Delta \delta_t \\ \Delta \theta_t \end{bmatrix} \quad (4-10)$$

$$[L] = [l_{ij}] \quad , \quad i = 1, 2, 3, \quad j = 1, 2, 3$$

Now assume that only θ_t changes with time according to the expression:

$$\theta_t = \theta_0 + \theta_1 t + \theta_2 t^2 \quad (4-11)$$

Then equation (4-10) can be written as:

$$\Delta \vec{T}_L = \begin{bmatrix} 0 & \sin \alpha & l_{13} \\ 0 & -\cos \alpha & l_{23} \\ 1 & 0 & l_{33} \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & \theta_1 + 2\theta_2 t & 1 & t & t^2 \end{bmatrix} \begin{bmatrix} \Delta \alpha \\ \Delta \delta \\ \Delta t \\ \Delta \theta_0 \\ \Delta \theta_1 \\ \Delta \theta_2 \end{bmatrix} \quad (4-12)$$

Equation (4-12) can be substituted into equation (4-9) resulting in the complete form of the photogrammetric condition equations.

5. Unified Least Squares System (ULSS)

Because of the complexity of the computations involved in the Apollo triangulation, it was necessary to employ a rigorous least squares solution.

ULSS is a software package which allows for automated application of least squares principle in any adjustment program. The advantage of ULSS is that adjustment programs of varying degrees of complexity can be economically constructed. Furthermore, the unification of least squares application into a single software module allows the best guarantee of theoretical and computational integrity of the adjustment operations.

The best way to describe the operations of ULSS is to show its role in a typical adjustment system. Figure 8 is a general functional chart of an adjustment system employing ULSS. The diagram presents ULSS in terms of four major components:

(a) Data Structuring Module:

The function of this module is to change the structure of input data to a special structure which conforms to "Autoray" algorithm for least squares solution. The special data structure is built up into the "Structured Observation" data store within the "Data Base." The data structure produced by this module directly affects the degree of optimization of least squares computations. Data structuring is guided by the parameters which define the adjustment network and by the order in which indirect observations are handled in this program module.

(b) Least Squares Module:

This module operates directly on the "Structured Observation" data store. It adjusts the contents of this data store through the rigorous application of the least squares principle.

In the course of its operation, this module assumes the responsibility of delivering all the needed parameters to the appropriate "Condition Equation Generator" which in turn evaluates condition parameters and hands it back to this module for proper disposition.

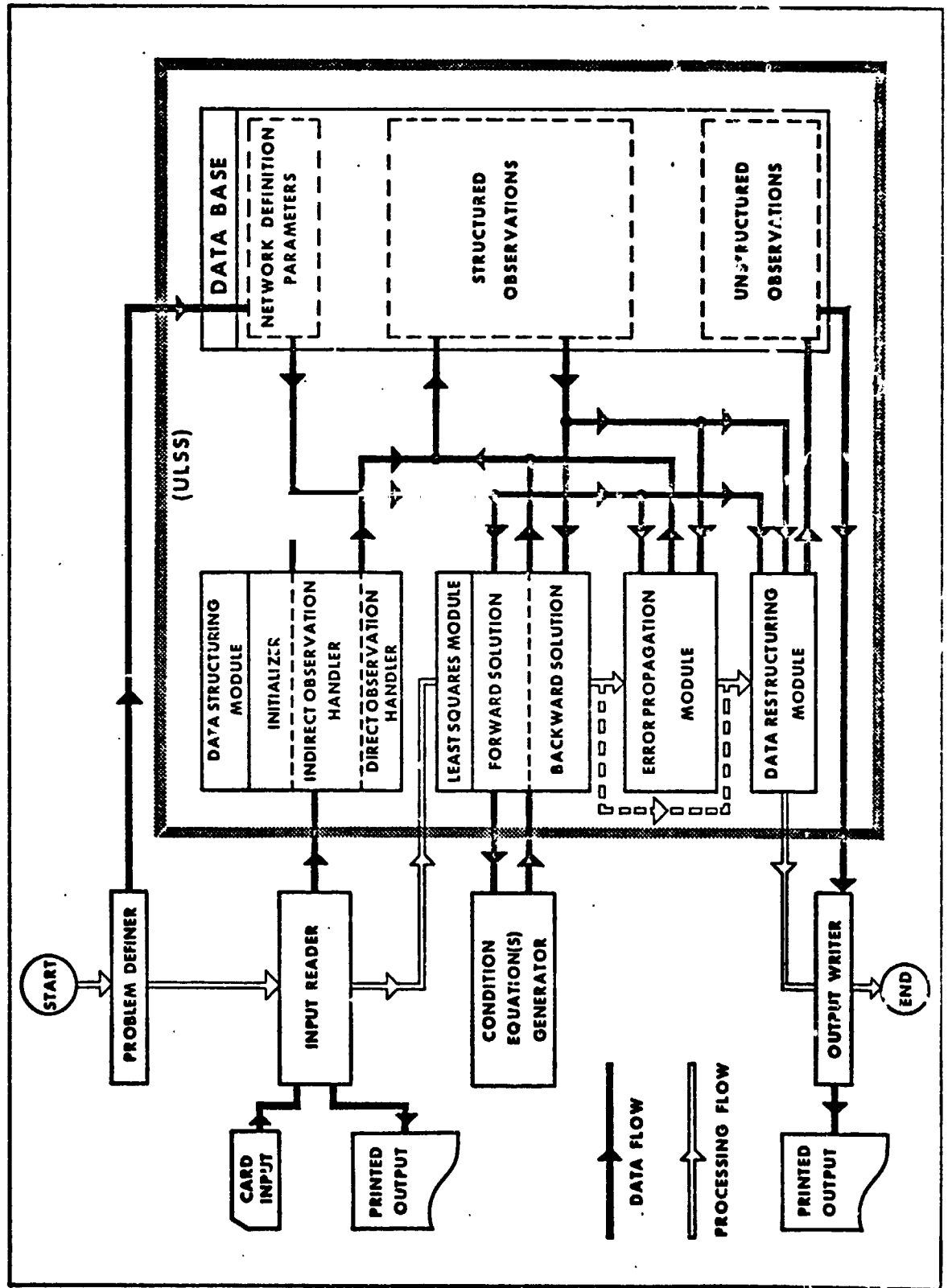
(c) Error Propagation Module:

The inversion of the coefficient matrix for the normal equations takes place in this module. The result of the matrix inversion is stored back into the appropriate places within the "Structured Observation" data store.

(d) Data Restructuring Module

This module operations are essentially the reverse of those performed by the Data Structuring Module. The contents of the "Structured Observation" data store are transformed back into a structure similar to that of input data to the Data Structuring Module. The restructured data are placed in the "Unstructured Observations" data store within ULSS Data Base.

Figure 8
Functional Chart of Unified Least Squares System



The capabilities of ULSS are best reflected by the various parameters required for the definition of an adjustment network. ULSS needs object and observation characteristics to guide its operations.

The object under adjustment is characterized by:

- (a) Number of object elements (object points, camera parameters, orbit parameters, camera station altitudes, etc.) Ten object elements can be accommodated in the present version of ULSS.
- (b) Optimization priorities of object elements. These priorities are needed to guide least squares solution optimization.
- (c) Assigned number of characters that identifies members of object elements.
- (d) Number of components in the primary parameters of each object element. ULSS presently limits this number to seven. An object element which requires more components may be subdivided into more than one object element.
- (e) Number of components in the auxiliary parameters of object elements. The auxiliary parameters are usually direct functions of the corresponding primary parameters.
- (f) Maximum number of members in each object element (object points, cameras, orbits, camera stations, etc.)
- (g) Logical identification of four data sets for each object element.
- (h) Flags identifying each object element as active or non-active in relation to the least squares solution.
- (i) Flags identifying the type of covariance matrices for each object element. ULSS will handle full or diagonal covariance matrices.

Observations on the object under adjustment are characterized by:

- (a) Number of different types of observations. ULSS in its present form can handle up to ten different types of observations.
- (b) Logical identification of Condition Equation Generator for each type of observation.
- (c) Number of components for each observation type. The present version of ULSS can accommodate up to four components.

(d) Number of condition equations resulting from each type of observation.

(e) Number and logical identifications of object elements that participate in each type of observation.

(f) Logical identifications of two data sets for each type of observations.

(g) Flags identifying each observation type as active or non-active in relation to least squares solution.

(h) Flags identifying the type of covariance matrices for each observation type. Full and diagonal covariance matrices are allowed in ULSS.

6. Photogrammetric Orientation of the Moon

The presence of a terrain camera and stellar camera on the Apollo 15, 16, and 17 missions provided a unique opportunity to perform an independent determination of the orientation of the Moon with respect to the stellar coordinate system. In view of the limited coverage and duration of the three Apollo missions, only a simplified model for the Moon's orientation could be considered. The selected model assumed a fixed orientation for the Moon's rotation axis expressed in terms of the right ascension α and declination δ of the north pole. It also assumes the Moon's rotation rate around its axis to be a linear function of t and t^2 . The model can be used directly to compute the Moon's orientation parameters or it can be used to compute deviations from any one of the established libration models of the Moon. This second use is of special interest for the following reasons:

- (a) Complicated libration models of the Moon cannot be directly evaluated from the limited photogrammetric data available. However, deviations from these models, which can be assumed to have a simple mathematical form for the duration of the photographic mission can be computed.
- (b) The absence of statistically significant deviations from any of the established Moon libration models is a very strong assurance of the integrity of the data used in the photogrammetric computations of surface coordinates.

The parameterization of the Moon's orientation is described in the mathematical model given in Section 4.

Estimation of the orientation parameters were conducted in a rigorous least squares solution. The task of building the necessary software for the adjustment problem was greatly simplified by the software package entitled "Unified Least Squares Solution (ULSS)," which is described in Section 5. Two separate solutions were computed for the celestial orientation of the axis and rotation rate of the Moon during the Apollo 15 and 16 Missions. Furthermore a separate solution was conducted for the computation of the deviations of the photogrammetric orientation of the Moon from the Eckhardt libration model.

6.1 The Apollo 15 Libration Solution

The data employed in the Apollo 15 solution are given in Table 4. The photographs were selected to give a compact block across the widest part of the total coverage, thus including both first and last photographic passes and encompassing the maximum time span. The results of the solution are shown graphically in figures 9, 10, and 11. The diagrams show the computed values and the 99 percent confidence region derived from the ULSS. Also shown on each diagram is the value of the parameter as given by the Eckhardt libration model.

Table 4
Data Employed in Apollo 15
Libration Solution

Number of photos.....	44
Number of surface points.....	317
Number of image points.....	1220
Average number of images/surface point.....	3.85
Number of laser altimeter ranges.....	7
Flight duration.....	4 ^d 14 ^h 19 ^m
Moon's angular rotation during mission.....	60° 28' 55"
Photographic coverage:	
Longitude (70° 03' 27") to (90° 49' 33").....	20° 46' 06"
Latitude (-21° 29' 05") to (8° 08' 41").....	29° 08' 41"
Mean standard deviation of terrain camera attitude angles	
Roll.....	26".8
Pitch.....	8".8
Yaw.....	23".8
RMS of image coordinates.....	9.5μm
Estimated standard deviation of image coordinates.....	12.8μm

Figure 9

APOLLO 15

NORTH POLE DECLINATION ($90^\circ - \delta$)

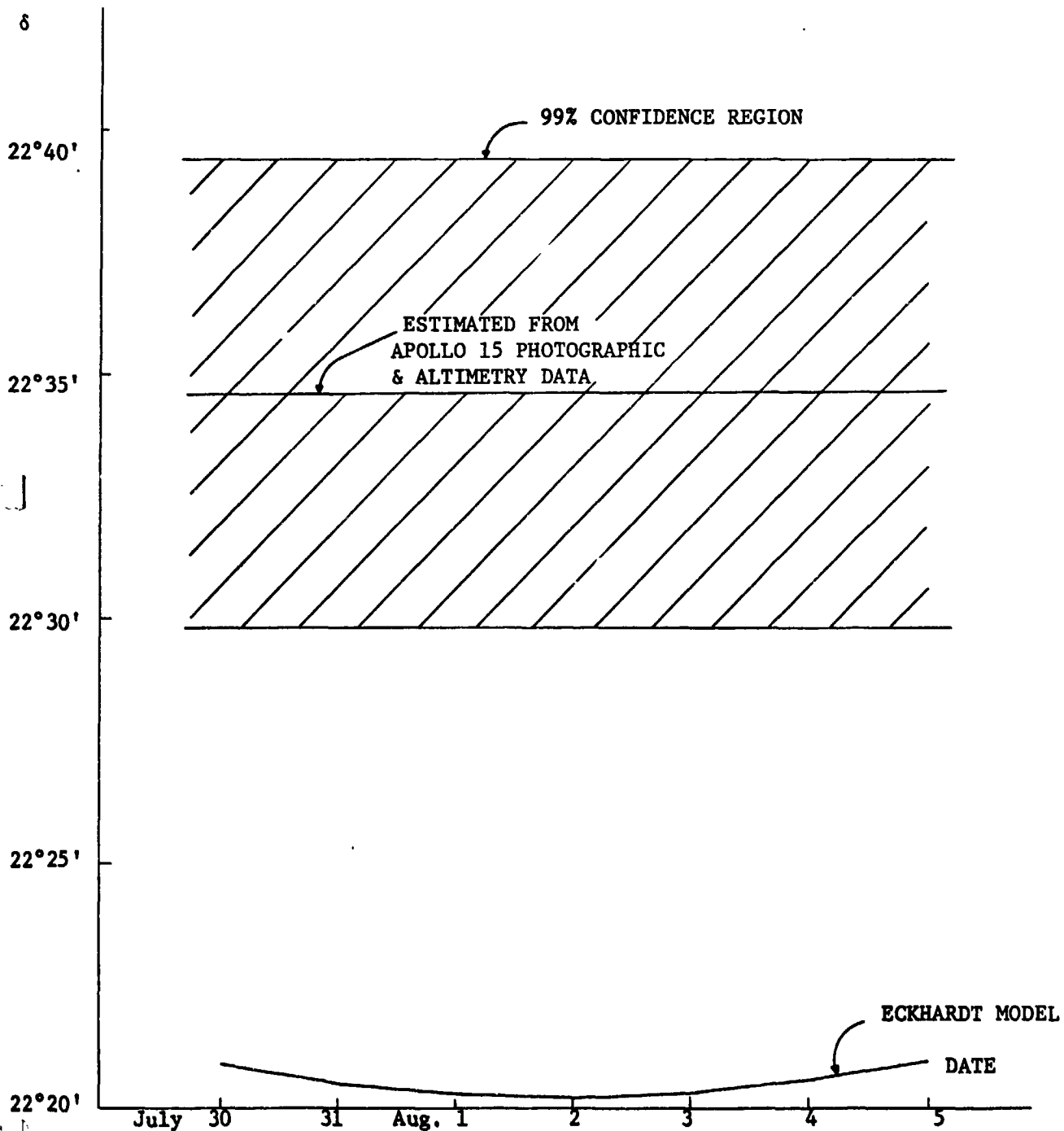


Figure 10

APOLLO 15

NORTH POLE RIGHT ASCENSION (α)

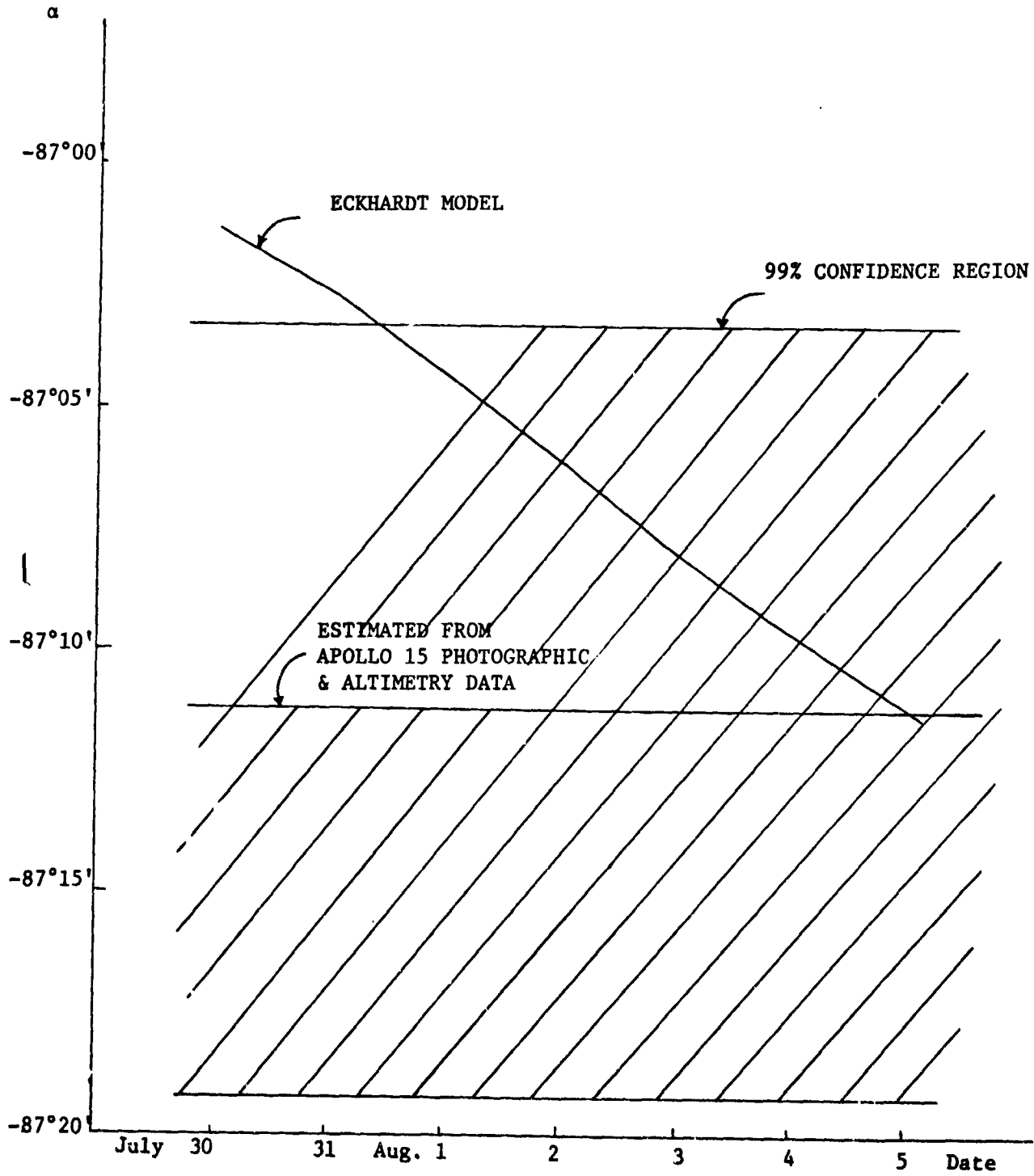
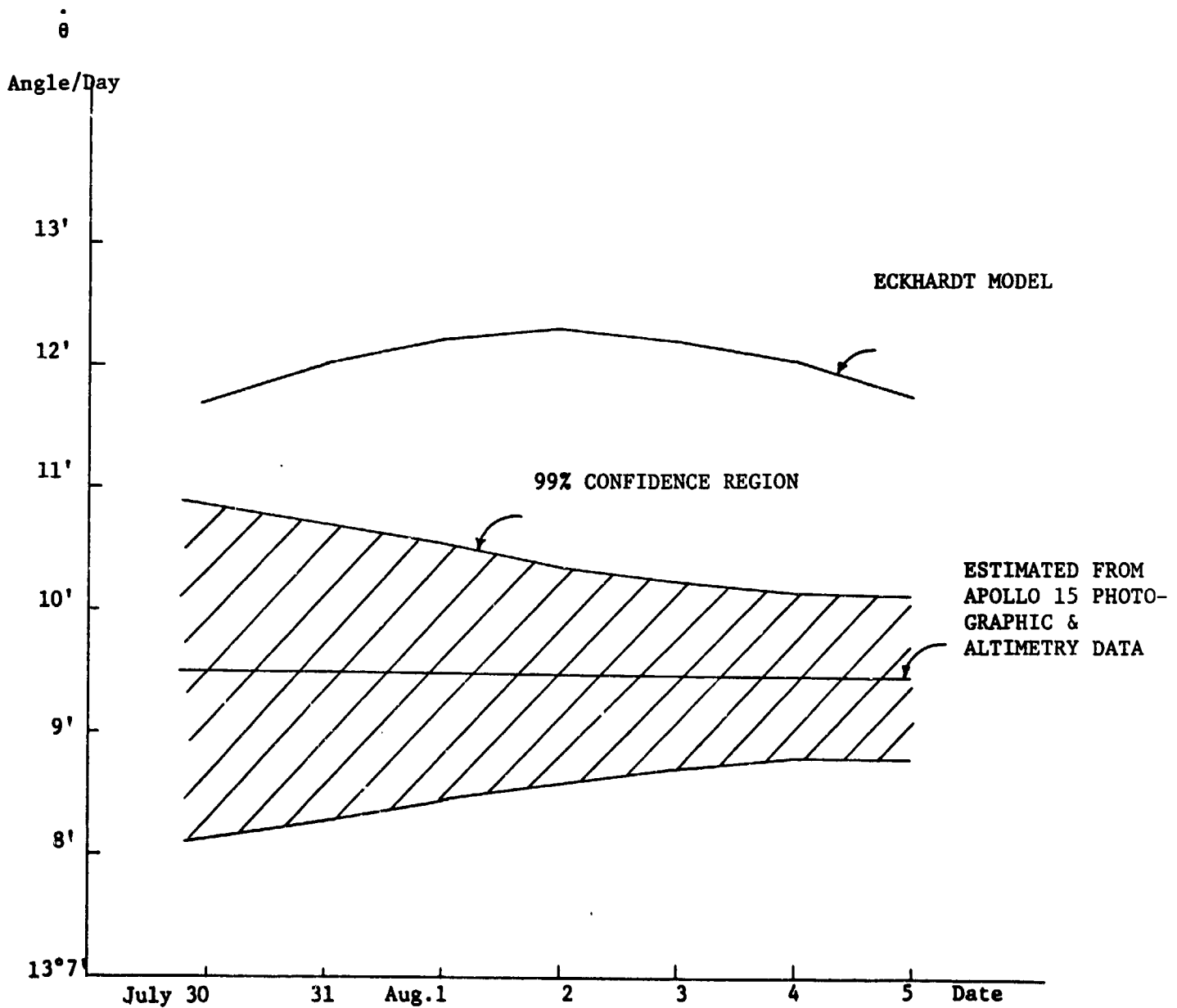


Figure 11

APOLLO 15

ANGULAR VELOCITY ($\dot{\theta}$)



6.2 The Apollo 16 Libration Solution

A similar solution was performed to determine the libration values during the Apollo 16 mission. The data entering this solution are listed in Table 5.

The results of this solution are shown graphically in figures 12, 13, and 14.

6.3 Deviations of Moon's Photogrammetric Orientation from Eckhardt Libration Model

In both the Apollo 15 and 16 computed libration solutions, the Eckhardt values fall outside the 99 percent confidence limits for the photogrammetric parameters. This undoubtedly means that the data set was insufficient to determine absolute values of the parameters. For this reason a central photographic block from the three Apollo missions was chosen for the computation of deviations of the Moon's orientation from the latest libration model published by D. H. Eckhardt of Air Force Cambridge Research Laboratories at Hanscom Air Force Base in Massachusetts. A summary of the photogrammetric data is given in Table 6.

The computations involved the evaluation of 13,289 condition equations with the resulting system of normal equations containing 5282 unknowns.

Results of the least squares solution showed deviations between the photogrammetric determination of the Moon's rotation axis and the corresponding values obtained from Eckhardt's libration model to be:

$$\begin{aligned} & \approx 0'' \pm 12' 56'' \text{ in declination of north pole} \\ \text{and} \\ & \approx 0'' \pm 12' 55'' \text{ in right ascension of north pole.} \end{aligned}$$

Deviation in the rate of rotation of the Moon were found to be:

$$\begin{aligned} & = 0.529 \cdot 10^{-12} \pm .6027 \cdot 10^{-12} \text{ rad/sec for the } t \text{ coefficient} \\ \text{and} \\ & = 0.833 \cdot 10^{-19} \pm .7582 \cdot 10^{-19} \text{ rad/sec for the } t^2 \text{ coefficient} \end{aligned}$$

These deviations are statistically insignificant and provide positive assurance of the integrity of data used in the analytical triangulation of the Moon's surface points.

Table 5
Data Employed in Apollo 16
Libration Solution

Number of photos.....	20
Number of Surface points.....	236
Number of image points.....	918
Average number of images/surface point.....	3.89
Number of laser altimeter ranges.....	15
Flight duration.....	3 ^d 18 ^h 56 ^m
Moon's angular rotation during mission.....	49° 54' 10"
Photographic coverage:	
Longitude (79° 04' 44") to (93° 12' 40").....	14° 07' 56"
Latitude (-6° 08' 35") to (7° 04' 25").....	13° 13' 00"
Mean standard deviation of terrain camera attitude angles	
Roll.....	4".4
Pitch.....	12".9
Yaw.....	3".2
RMS of image coordinates.....	12.9 μm
Estimated standard deviations of image coordinates.....	17.6 μm

Figure 12

Apollo 16

DECLINATION OF NORTH POLE (δ)

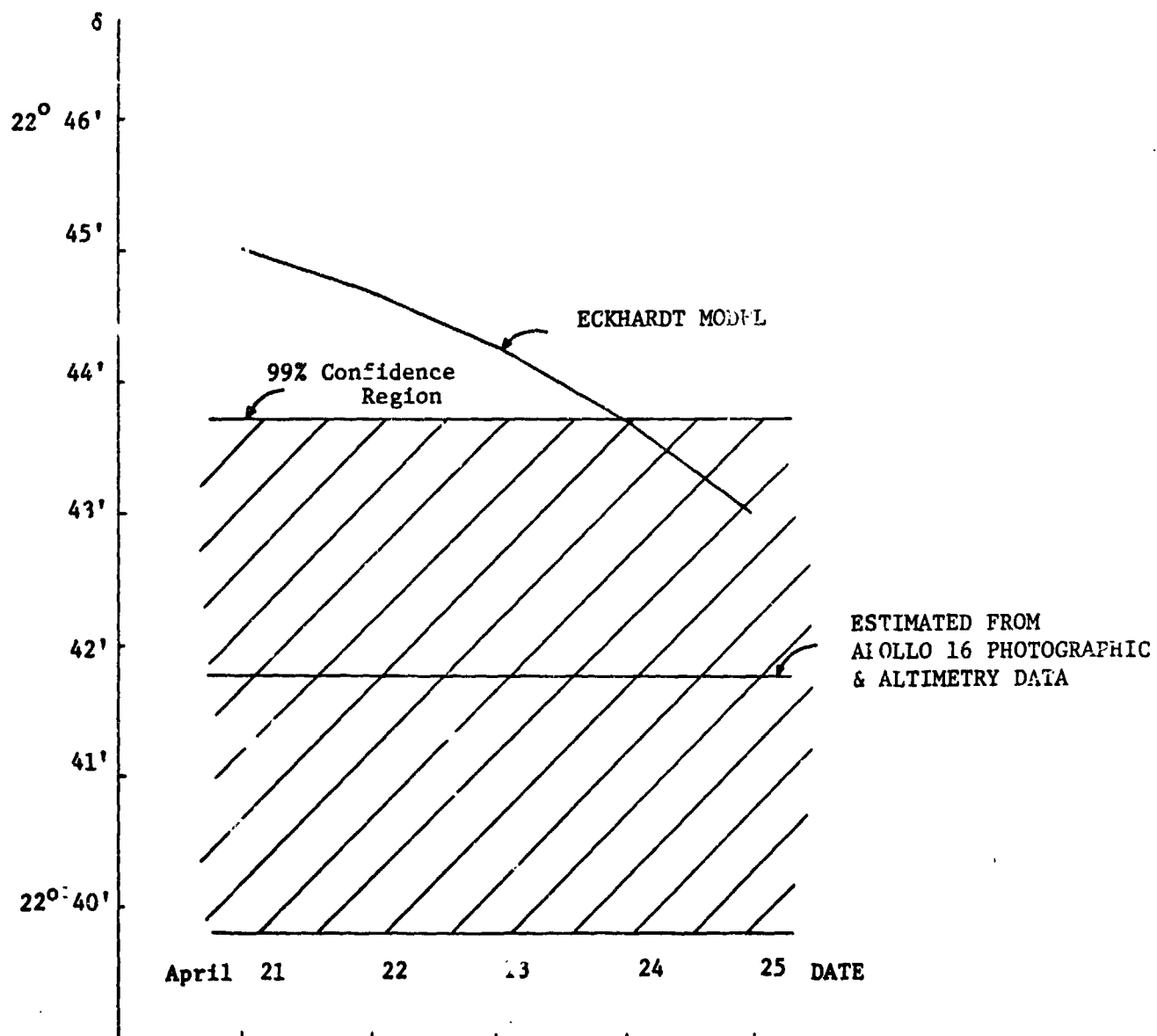


Figure 13

APOLLO 16

RIGHT ASCENSION OF NORTH POLE (α)

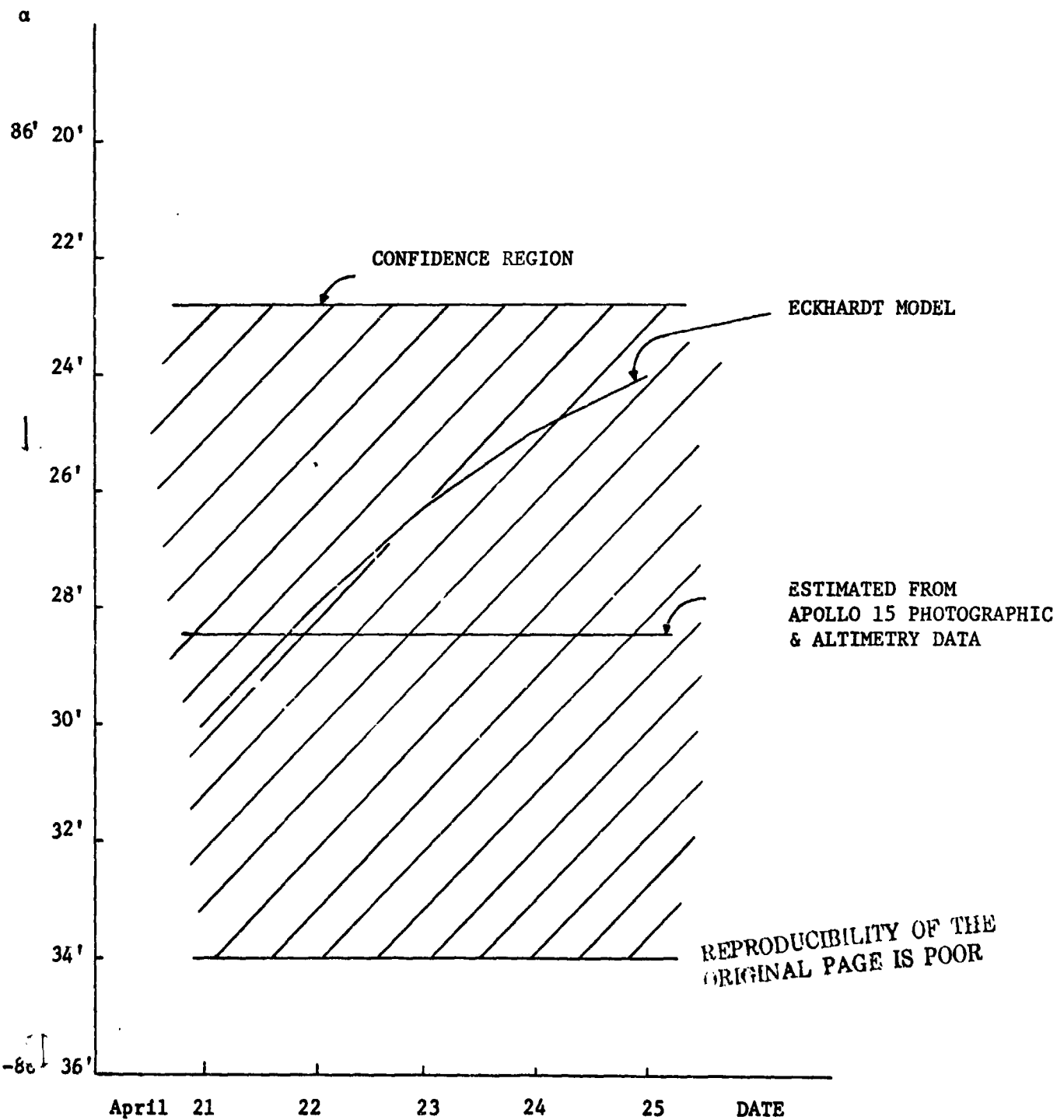


Figure 14

APOLLO 16

ANGULAR VELOCITY ($\dot{\theta}$)

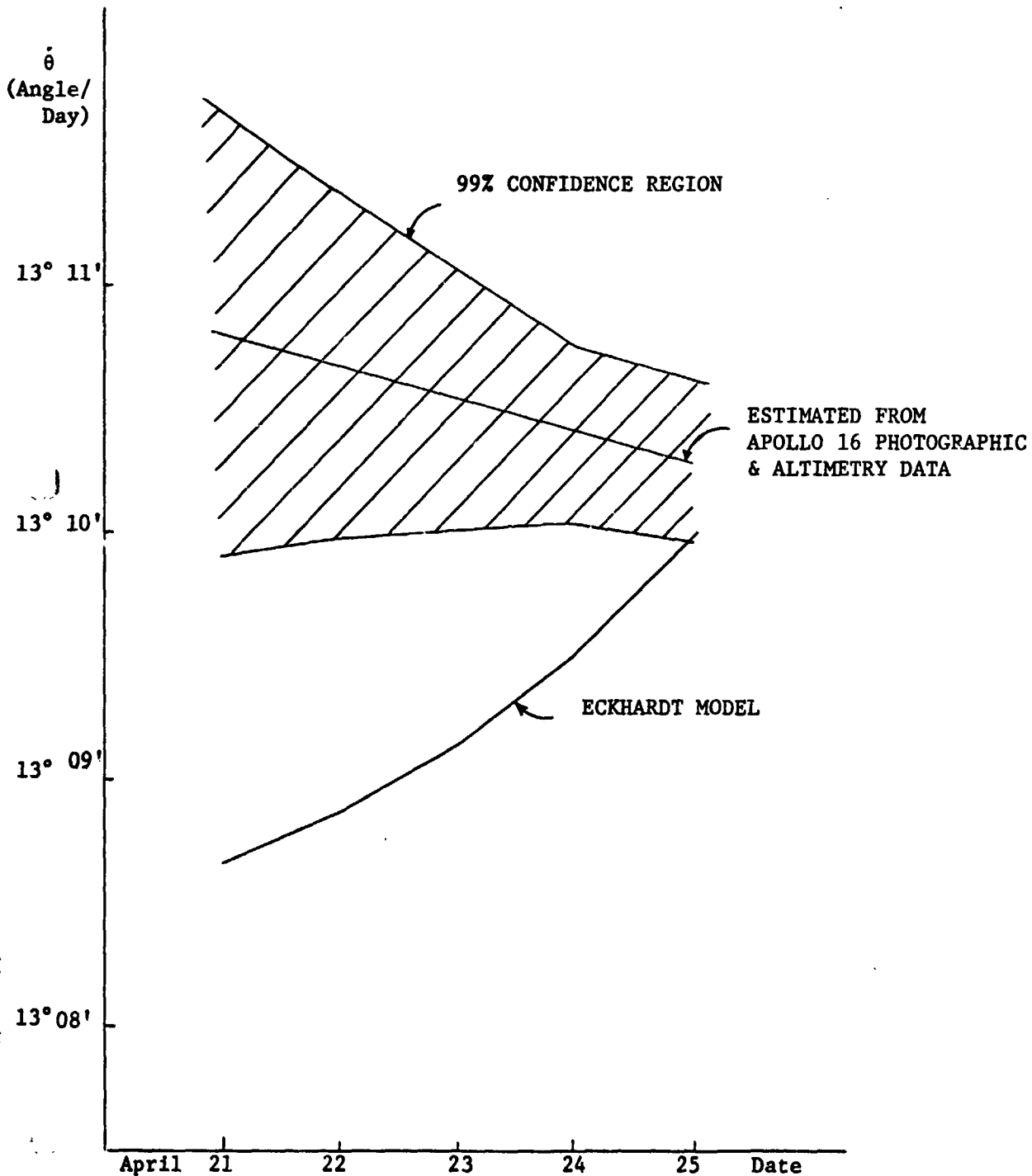


Table 6
Data Employed in Three Mission Libration Solution

Number of photos	306
Number of surface points	1044
Number of image points	6575
Average number of images/surface point	6.30
number of laser altimeter ranges	139

Flight duration	(Mission 15)	4 ^d 14 ^h 36 ^m 59 ^s
	(Mission 16)	3 ^d 19 ^h 13 ^m 18 ^s
	(Mission 17)	4 ^d 22 ^h 53 ^m 34 ^s

Photographic coverage:

Longitude (39° 47' 26') to (104° 43' 01") 64° 55' 35"

Latitude (-11° 54' 15") to (13° 11' 23") 25° 05' 38"

A priori estimates of standard deviations for image coordinates

(Mission 15)	9.7 μm
(Mission 16)	19.7 μm
(Mission 17)	7.8 μm

7. Selenodetic Control Network

The simultaneous solution for 1244 exposure station positions and ground point coordinates for the three Apollo missions 15, 16, and 17 represents the largest single photogrammetric network which has yet been attempted. The normal equations to be solved for 23,000 unknowns would occupy more than half a billion storage locations. To reduce this problem to manageable proportions, some techniques that are in standard use in analytical photogrammetry, and some that are not in general use, were employed.

7.1 Bandwidth Minimization

Any large photogrammetric network produces a normal equation matrix which, while it is very large, is also very sparse. Of equal importance, the structure of this matrix is known, and to a large extent can be controlled by the photogrammetrist. By judiciously selecting the order of the unknown parameters, storage of large blocks of zeros can be avoided, thus reducing the computer memory requirement. A standard technique, attributed to D.C. Brown (1958), provides a tremendous saving by eliminating the contribution of all unknown ground points from the matrix that must be retained in core storage. The full normal equation matrix can be partitioned

$$\begin{bmatrix} A & B \\ B^T & C \end{bmatrix}^{-1} = \begin{bmatrix} K & L \\ L^T & M \end{bmatrix} \quad (7-1)$$

where A is quasidiagonal with 6 x 6 submatrices along its diagonal, one for each frame of photography. Likewise, C is quasidiagonal with 3 x 3 submatrices, one for each ground point, along its diagonal. By standard formulas for inversion of partitioned matrices

$$K = (A - BC^{-1}B^T)^{-1} \quad (7-2)$$

and

$$M = C^{-1} + C^{-1}B^TKBC^{-1} \quad (7-3)$$

But since C is quasidiagonal, the unknown ground points can be processed sequentially, without forming either B or C, to obtain a reduced normal equation matrix with the dimensions of A, i.e.,

$$K = (A - \sum B_i C_i^{-1} B_i^T)^{-1} \quad (7-4)$$

Once K has been computed, the covariance matrices of the ground points can be computed sequentially from

$$M_i = C_i^{-1} + C_i^{-1} B_i^T K B_i C_i^{-1} \quad (7-5)$$

Of course, application of (7-4) destroys the quasidiagonality of A. A ground point on both the photo represented by the *i*th diagonal block, and the one represented by the *j*th diagonal block will produce an off-diagonal, non-zero block at location *ij*. But since there is a physical limit to the number of photos that can see the same ground points, the reduced normal equations will still be relatively sparse. Judicious ordering of the photos within the original A matrix can keep the nonzero elements close to the diagonal to produce a banded matrix, whose bandwidth is the distance from the diagonal, recorded in 6 x 6 submatrices (or photos), to the farthest off-diagonal nonzero block.

The bandwidth of the reduced normal equations is extremely important because, using a block-bordering algorithm, the matrix inversion process requires that storage be allocated for only *m*(*m*-1) submatrices of dimension 6 x 6. The remainder of the matrix is stored temporarily on disk and read into core, *m* blocks at a time, to replace *m* blocks that have been operated upon and output to disk.

Two attempts were made to minimize the bandwidth of the Apollo photo block using intuition and experience. It is well known that, for regular, parallel strips of photography, minimum bandwidth results from numbering the photos across, rather than along the strips, provided that the number of photos in a strip exceeds the number of strips. Therefore, the first approach was to apply cross-strip numbering to the approximately parallel passes of missions 15 and 17 and to integrate the mission 16 exposures into this numbering scheme in a seemingly logical fashion. This method was used to reorder a 300 photo block from the area of most dense coverage and resulted in a bandwidth of 83 photos requiring a minimum storage of 249,498 locations.

The second method was essentially cross-strip numbering using imaginary strips parallel to the long dimension of the block. The nadir point of each photo was plotted, and a line was constructed through the center of the plot approximately parallel to the long dimension of the block. A template was then slid along this line and the photos were numbered in the order in which their plotted positions were encountered. This method reduced the bandwidth of the 300 photo blocks to 59 photos requiring 126,378 storage locations, but produced

an 84 photo bandwidth when applied to the total block,

Finally, it was agreed that intuition was inadequate for this task, and a National Geodetic Survey adaptation of the U.S. Naval Ship Research and Development Center's BANDIT Program was employed. This program utilizes a bandwidth minimization algorithm developed by Cuthill and McKee (1969), and is being used by NGS in the readjustment of the North American Datum. Modifications of this program for use with the Apollo data required several weeks, but proved to be time well spent. The bandwidth of the 300 photo block was reduced to a very tractable 45 photos requiring 73,710 storage locations.

When this program was applied to the total Apollo block, the bandwidth was reduced to 60 photos. This was an extremely fortuitous result, since the maximum bandwidth that could be accommodated by the CDC-6600 computer was 65 photos.

7.2 Block Adjustment

Before attempting a simultaneous adjustment, each mission was adjusted individually. This provided: (a) a means for identifying and deleting measurement blunders, (b) a realistic estimate of the image measurement precision for each mission, and (c) better values to be used for initial estimates of the exposure station positions. The individual adjustments were performed on the CDC-6600 computer using the MUSAT IV Program (Elassal et al, 1970). The observed variables consisted of image coordinates, which were assigned a standard deviation of 10 micrometers, and range measurements, assumed to have a standard deviation of one meter. The unknown parameters were the orientation angles of each frame, which were weighted using the covariance matrices obtained from the stellar reductions, and exposure station positions, which were unconstrained.

A large number of measurement and/or identification blunders were detected. Most of these were on Mission 16, which, as mentioned earlier, had not been previously edited. Since the initial density of measured images was so high, especially on Mission 16, deletion of these blunders caused no significant deterioration in the geometric strength of the observations. Therefore, no attempt was made to recover any of these images.

From the individual mission adjustments estimates obtained for the standard deviation of unit weight of an image coordinate were:

Mission 15 -	9.7 μ m
Mission 16 -	19.7 μ m
Mission 17 -	7.8 μ m

These figures indicate that the measurement error on Mission 16 is more than twice that of the other two missions. This is not quite correct. On Mission 16 there are probably a number of "slight misidentifications" which tend to inflate the measurement error. For example a terrain feature may be selected and measured on three consecutive exposures of a single strip with a high degree of precision, but on an adjacent strip a different part of that terrain feature may have been used because of the change in sun angle. The second set of measurements may be equally precise, but a much larger standard deviation will result from combining these two sets of measurements.

DMA-AC recognized this problem in the measurement of Missions 15 and 17. When this situation arose, and if other images in the same area fit across the strips with small standard deviations, they assumed that they had measured a near, but different, terrain point and assigned a new name to it. See, for example, points D6588 and D658H on page A-9 of Appendix A. Since neither point is a significant landmark whose position is of prime importance, there is nothing improper, either mathematically or photogrammetrically, in assuming that what was originally considered to be a single terrain point is actually two very close points. A weak tie between the two strips is sacrificed for a strengthening of the ties between adjacent photos of both strips, and, assuming that a sufficient number of strong ties between the strips exist, the standard deviation of the image measurements has been improved.

In each individual mission adjustment the exposure station positions obtained from the tracking orbits were used as initial estimates, but were permitted unconstrained adjustment. However, the position of one exposure station on each mission was held fixed and served as the only positional constraint. Therefore each mission was initially adjusted to its own arbitrary origin of coordinates. Eventually one terrain point, 22051, was chosen to be the only positional constraint for the simultaneous adjustment. This point is near the center of the block, appears on at least three exposures in every mission, and obtained small image measurement residuals in all individual mission adjustments. The mean of the three positions obtained for terrain point 22051 from the individual adjustments was assigned to this single control point.

In the simultaneous adjustment, as in the individual adjustments, the laser range data were treated as observed variables with a standard deviation of one meter, and they provided the necessary scale constraint. The image coordinates completed the set of observables and were assigned the standard deviation of unit weight for the mission to which they belonged as derived from the individual adjustments.

A total of 51,138 image coordinates and 519 altimeter observations were used in the solution.

There were three types of parameters computed in the adjustment. The three orientation angles of each frame were parameterized, but assigned, a priori, the covariance matrices obtained from the stellar reductions. This set of constrained parameters furnished the orientation of the block. The remaining parameters, the positions of all exposure stations and the positions of all terrain points (except 22051), were completely unconstrained. No orbital constraints of any kind were employed; the position of the entire block was established by the single control point 22051. In all, 23,436 parameters were determined: three position and three orientation components for each of 1,244 photographs and three coordinates of each of 5,324 terrain points.

As in the individual adjustments the MUSAT IV Program was employed. Five iterations were required; three for the first edit cycle and one for each of two additional edit cycles. The simultaneous adjustment required the entire memory of NOAA's CDC-6600 computer (330,000 octal words) and took 14 hours of clock time (4 hours and 40 minutes of central processor time). Every three hours the processing was interrupted and the total computer environment, including the contents of all disk files, was recorded on magnetic tape in order to provide a restart capability in the event of a malfunction of any type. This proved to be unnecessary due to the diligence and cooperation of the computer operations staff, and the total adjustment was completed on the first try.

Since the position of the block was determined by an assumed position of one terrain point, the computed positions of all exposure stations and terrain points are consistent with one another, but are referred to an arbitrary origin of coordinates. DMA used the tracking ephemeris of revolution 44 of Mission 15 as position constraints and, thereby, referred their mapping to the center of mass of the Moon as defined by that orbit. In order to minimize the discrepancies between the NOS/GS computed positions and the DMA results, the same coordinate origin was chosen. After the adjustment had been completed all positions were translated, but not rotated, to best fit the tracking ephemeris of revolution 44 of Mission 15.

7.3 Results of Block Adjustment

A summary of the results of covariance propagation to the computed terrain point positions is shown in figure 15. The standard deviations

in horizontal position, shown in this figure, are radii of probability circles, i.e.,

$$\sigma_H = R(\sigma_\phi^2 + \sigma_\lambda^2 \cos^2 \phi)^{1/2}$$

where R is the mean radius of the Moon, and the variances in latitude and longitude ($\sigma_\phi^2, \sigma_\lambda^2$) are in (radians)². There was little difference between the standard deviations in horizontal position, σ_H , and elevation, σ_E , for the individual ground points represented by these bar graphs. For 70% of the points, σ_H is less than 30 meters, and for 74%, σ_E is less than 30 meters, a result that is quite respectable in comparison with previous lunar control networks.

Slightly more than one percent of the points have standard deviations greater than 100 meters and a few exceed 1,500 meters. The reason for the lack of precision in the positions of these points becomes obvious with reference to figure 16, which shows the spatial distributions of the standard deviations, σ_H and σ_E . The shaded areas, inside the $\sigma = 30$ meters contours, are essentially the same on both maps and coincide with the area of most dense photo coverage and laser ranging. Inside these areas, there are a few points at which $\sigma > 30$ meters (see Appendix A), which are the result of a terrain point having been observed on only two or three photographs. Near the ends of the strips, all points are observed on no more than three photographs, and there is a substantial increase in the standard deviations as seen on the left-hand edge of the maps. On the left-hand edge, and particularly the lower left, the absence of adjacent passes combined with the complete lack of range observations causes a very substantial increase in σ_E and a tremendous increase in σ_H . Obviously, the photogrammetry was incapable of extrapolating over large distances without benefit of scale control, but initially it seems strange that horizontal position errors should increase more rapidly than elevation errors.

The photographs in this area are all from mission 16. Strip G of that mission terminates at a point near the 120 meter contour line for horizontal position. The area to the east of this point is covered by both strips G and R, with a range observation controlling the scale of each frame of strip G. West from this point, there is only strip R and no range observations; a situation similar to the classical cantilever extension, except that the attitude orientation of each frame

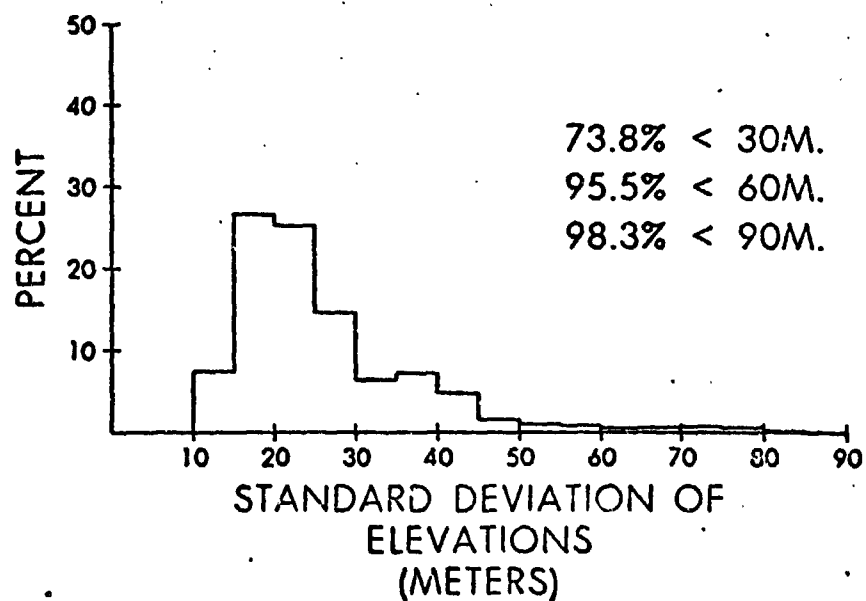
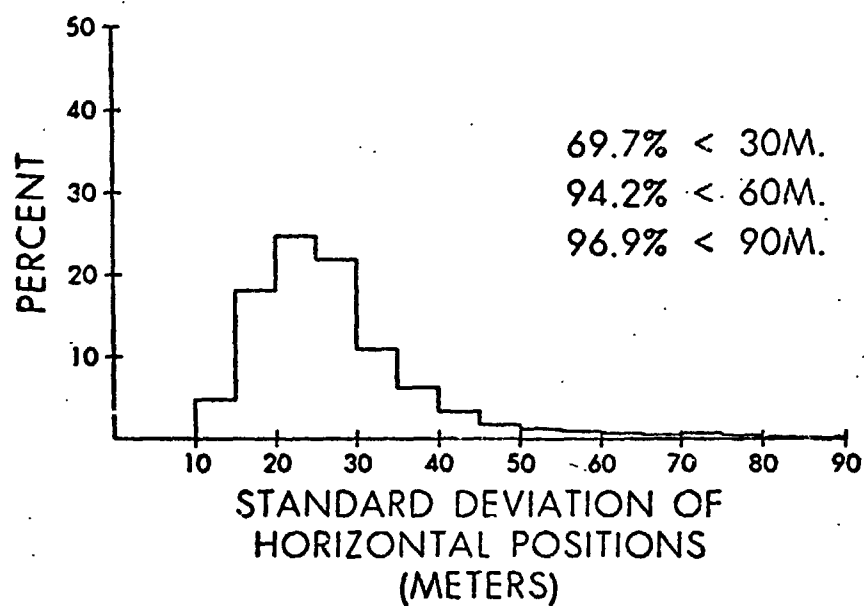
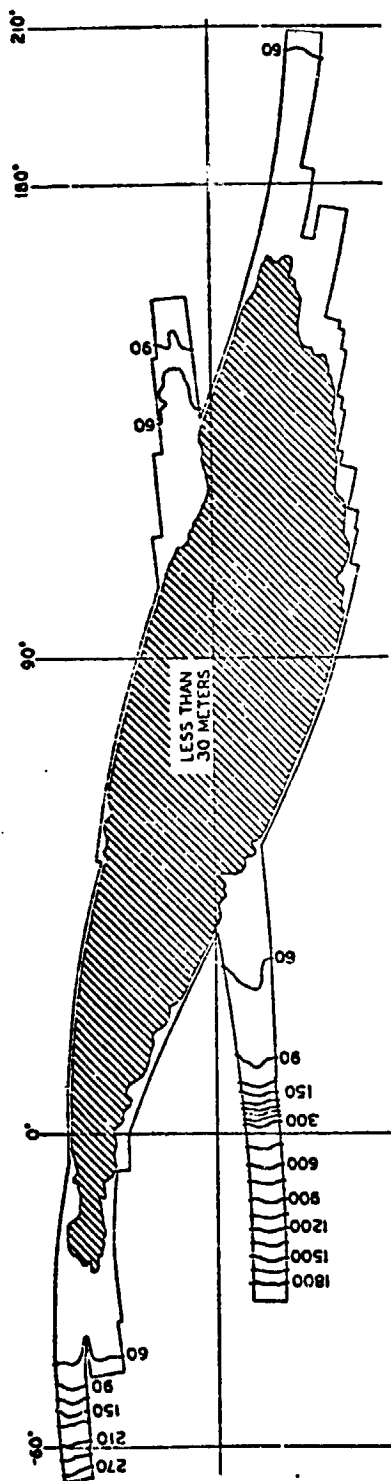
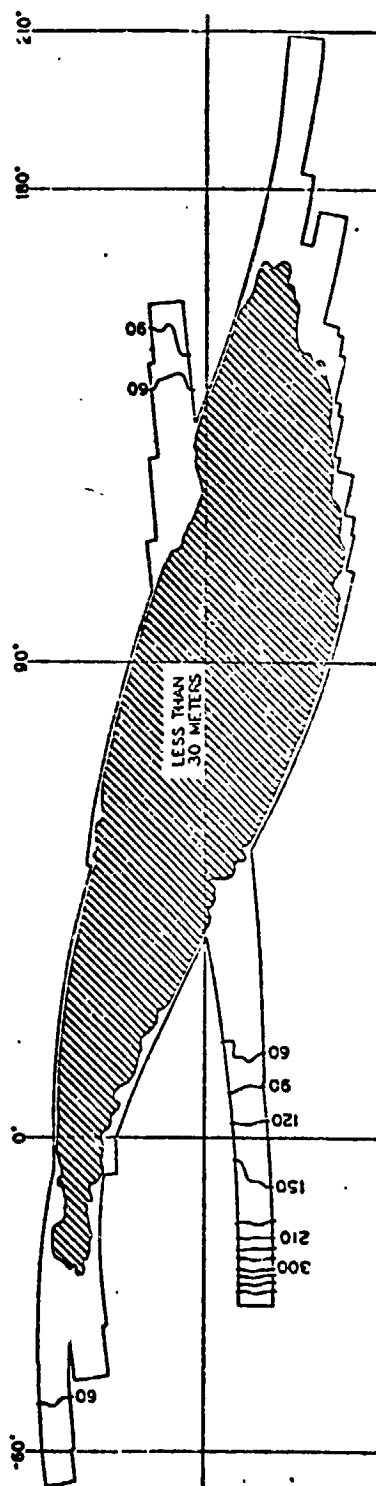


FIG. 15



STANDARD DEVIATION OF HORIZONTAL POSITIONS



Spatial Distribution of Standard Deviations

FIG. 16

is well determined from the stellar data.

Since the uncertainties in the terrain point positions are directly related to uncertainties in the positions of exposure stations from which they are intersected, it is informative to consider the standard deviation in the exposure station positions. From Table 7, in which the standard deviation in horizontal positions of the exposure stations are separated into components of Northing and Easting, it is apparent that the increase in σ_H is almost entirely the result of uncertainties in Easting, which is the along-track coordinate.

Table 7
Components of Standard Deviation for
Selected Exposure Stations

Frame No.	Standard Deviation in			Frame No.	Standard Deviation in		
	Northing	Easting	Elevation		Northing	Easting	Elevation
G66	28	64	48	R48	29	64	49
G67	29	67	49	R49	30	68	51
G68	30	71	51	R50	31	74	54
				R51	31	95	60
				R52	33	136	67
				R53	38	201	76
				R54	42	282	88
				R55	47	378	103
				R56	51	485	122
				R57	56	601	147
				R58	59	727	177
				R59	60	862	213
				R60	61	1006	256
				R61	59	1156	305
				R62	57	1311	362
				R63	55	1471	427
				R64	55	1636	499
				R65	59	1804	578

The along-track coordinate is almost entirely dependent upon scale transfer between stereomodels. It is well known that scale transfer dependent upon image points only increases as the square of the number

of models. Prevention of this scale error propagation was the fundamental reason for including the laser altimeter observations as a scale restraint. The lack of altimeter data in the western limits of Apollo 16 is undoubtedly the major reason for the along-track uncertainties.

As mentioned above, strip R, frames R50 through R65, approximates a cantilever extension in which the uncertainties in elevation would normally be expected to increase at a greater rate than those of the other two coordinates. Since the results shown in Table 7, in which the along-strip uncertainties increase much faster than the elevation uncertainties, are contrary to those obtained from classical cantilever extension, it appears that the attitude constraints are reducing the rate of increase in elevation errors. In order to verify this theory, a computer simulation was performed. A strip of five photographs was devised with the usual nine pass points per photo. There were three control points, all in the first model, and the attitudes of all photos were weighted so heavily as to remove them from the adjustment. The results of this simulation are given in Table 8.

Table 8
Components of Standard Deviation
for Simulated Test

Photo No.	Standard Deviation		Elevation
	Along Strip	Across Strip	
1	0.77	0.56	1.00
2	1.48	0.70	1.50
3	3.59	0.83	1.65
4	6.27	0.94	1.86
5	9.43	1.05	2.04

They show that, under the assumption of precisely determined attitude parameters from an external source, the along-strip errors in a cantilever extension do indeed increase at a greater rate than the elevation errors. Hence the large standard deviations that appear in figure 16 near the ends of the strips are a logical consequence of the distribution of photo coverage and laser range observations.

Since there is such a large area of the block in which the standard deviations are less than 30 meters, and since all strips pass through this area, the results of this photogrammetric adjustment may provide a means for improving the post-flight orbit analysis. If reliable orbits could be determined, using this approach, the uncertainties in terrain point positions near the ends of the strips could be vastly improved.

The computed positions of all terrain points are given in Appendix A where they are organized according to accepted lunar map sheets. Exposure station positions are given in Appendix B where they are organized according to Mission and photographic Rev number. Appendices A and B are published separately.

8. Conclusions and Recommendations

The work performed on this contract led to several significant conclusions and recommendations.

8.1 Conclusions

(a) The total mapping camera coverage produced by Apollo missions 15, 16, and 17 was disappointing in extent. Most damaging was the failure to complete an arc completely around the Moon. This would have permitted the block triangulation to close upon itself rather than hanging loose at the end of each mission. As a consequence, standard errors of position and elevation would probably have been around 30 meters throughout the block, rather than building up to several hundred meters at the ends of the unconstrained strips as shown in figure 16.

(b) The integrity of the photogrammetric solution greatly exceeded that of the orbital tracking data. Consequently the single simultaneous solution performed by NOS/USGS may be expected to be more homogeneous in accuracy and precision than the DMA solution in which orbital constraints were employed.

(c) The Eckhardt libration model used in the NOS/USGS solution has appreciable advantages over the more primitive Koziel model used in the DMA solution. The choice of the Eckhardt model results in significant differences in the selenocentric coordinate systems in the two solutions (see page 18). Although the NOS/USGS solution was eventually adjusted to the Apollo 15 rev 44 tracking data used as basic control by DMA, this adjustment was a translation only and not a rotation. The consequence is that both solutions have their coordinate origin at the same center of mass, but the superior angular orientation provided by the Eckhardt libration model is preserved in the NOS/USGS solution.

(d) The Apollo stellar data sets were inadequate to provide a valid independent solution for libration parameters (see figures 9 through 14) but the correctness of the theory derived in Section 4 is demonstrated by the statistically insignificant computed differences between the Apollo solution and the Eckhardt model as described in Section 6.3. This computation also demonstrated that there is no inconsistency between the Apollo data and the Eckhardt libration model. A similar comparison between the Apollo data and the Koziel model could have been performed, but it would certainly have shown the difference in angular orientation described on page 18.

(e) The exposure station positions and ground point coordinates computed in the NOS/USGS solution represent the most accurate and homogeneous set of values obtainable from the Apollo photogrammetric data. Any further refinement would be dependent upon:

- o Improved and homogeneous positions for camera exposure stations resulting from recomputation of orbital ephemerides. These would be particularly valuable at the limits of the coverage where the photogrammetric error propagation shows large standard deviations (see figure 16).

or

- o A grand simultaneous solution involving photogrammetric condition equations, gravity model parameters, unknown spacecraft thrusting, libration parameters, and spacecraft tracking data. However it is doubtful if the limited extent of Apollo data warrants such a solution.

(f) Although one of the original objectives of the research was to compute a new lunar ellipsoid, the failure to close the equator and the large standard deviations in coordinate positions at the ends of the unconstrained strips made it evident that this would not be a useful thing to do.

8.2 Recommendations

(a) The most obvious recommendation is that the photographic task should be completed. One of the greatest scientific disappointments of the Apollo Program was the failure to accomplish complete photographic coverage with the metric camera. There is now no NASA plan which will rectify this shortcoming. But it will be done sometime in the future -- if not by NASA, perhaps by the USSR.

(b) The exposure station positions given in Appendix B should be used in any further attempt to refine the orbits of Apollo missions 15, 16, and 17. It is important to recognize the systematic differences between these positions and those provided by the DMA solution. These systematic differences result from the use by

NOS/USGS of the improved Eckhardt libration model while the DMA solution employed the earlier Koziel model. Thus the NOS/USGS solution coincides better with the real geometric situation of the Moon.

If the exposure station values are used in any further attempts to improve mission ephemerides, only those having standard deviations of 30 m or less should be included, unless a sophisticated weighting scheme is employed based upon the listed standard deviations

(c) It is unfortunate - though perhaps inevitable - that the current lunar mapping program is based upon control established by the DMA solution. The systematic differences between the two solutions (up to 640 m in latitude and 1938 m in longitude, see page 18) result in sensible displacements of the map graticule even at the smallest scale as shown in Table 9.

Table 9
Systematic Differences in Map Graticule
Resulting from Choice of Libration Model

Map scale	$\Delta\phi = 640\text{m}$	$\Delta\lambda = 1938\text{m}$
1: 50,000	12.80 mm	38.76 mm
1: 250,000	2.56 mm	7.75 mm
1:1,000,000	0.64 mm	1.94 mm
1:5,000,000	0.13 mm	0.39 mm

Though there is undoubted merit in consistency of reference system between map series, the change to the better system ought to be made sometime. Perhaps it could be done for the new 1:1,000,000 sheets in the Apollo data area for which production is just beginning. It should also be done for the 1:5,000,000 map, although this would mean recomputation of all other control outside the Apollo area.

(d) Of fundamental importance is the identification of the lunar surface features whose positions have been determined by this (and the DMA) solutions. The coordinates of these features are of no use to anyone without the feature identification. These identifications exist only as marked on the photographs employed for mensuration by DMA. A set of prints, films, microfilms - or any other acceptable means - on which the selected points can be clearly seen should be deposited in the National Space Science Data Center for use by future investigators.

(e) Many more surface points were measured by DMA than were used in the NOS/USGS triangulation solution. The positions of these points can be easily determined by intersection computations using the already available exposure station positions and camera attitudes. If it is elected to use the NOS/USGS control system for any future mapping, the positions of these additional points should be determined.

References

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APPENDIX A

LUNAR
TERRAIN POINT POSITIONS

APPENDIX A

LUNAR
TERRAIN POINT POSITIONS

The terrain point positions listed in this appendix are referred to the center of mass of the Moon as defined by the orbit of revolution 44 of Mission 15. The photogrammetric block was adjusted using an assumed position for terrain point 22051 as the only position constraint. Scale was controlled by altimeter observations and orientation by the stellar attitudes. After adjustment the entire block was translated, but not rotated, to best fit the orbit of revolution 44, thus minimizing the differences between these data and the DMA control net.

Terrain points are listed by map sheet (1:500,000), and an outline of each map sheet is provided showing the location and approximate precision of each point. Three precision categories are represented:

- [1] Standard deviation less than 30 meters,
- [2] Standard deviation less than 100 meters, and
- [3] Standard deviation greater than 100 meters.

The first two imply that the standard deviations in both horizontal position and elevation are less than the value specified. The third category implies that the standard deviation in either horizontal position or elevation, or both, is greater than 100 meters.

Each terrain point position is given in both Cartesian and spherical coordinates. Cartesian coordinates and their standard deviations are in meters. Latitudes and longitudes are given in degrees, minutes, and seconds and their standard deviations are

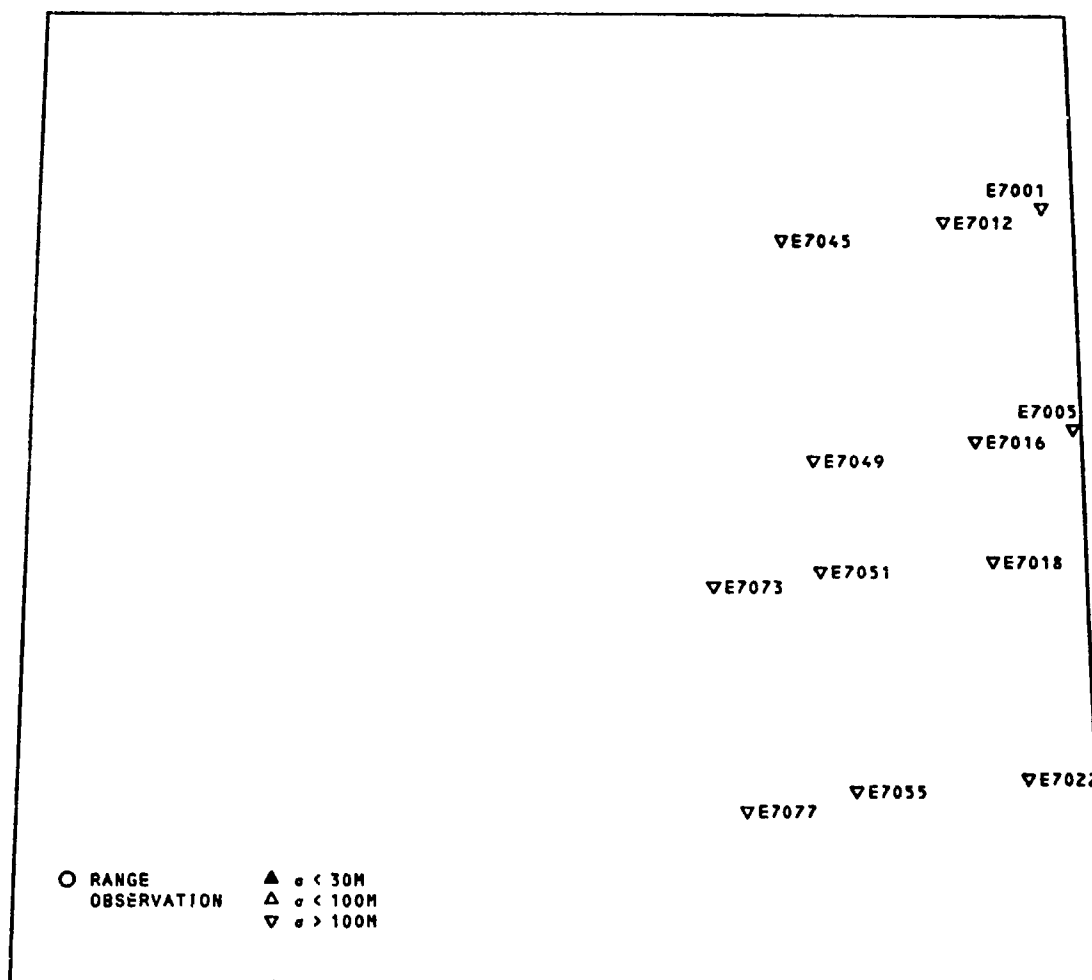
A-2

in seconds. Radial distances and their standard deviations are in meters. All terrain point numbers are those assigned by DMA with the following exceptions:

Mission	Point Numbers Assigned by DMA	Point Numbers This Report
15	338 through 424	9338 through 9424
15	1812	9812

These point numbers were duplicated on Mission 17 and had to be changed, therefore, to avoid ambiguity.

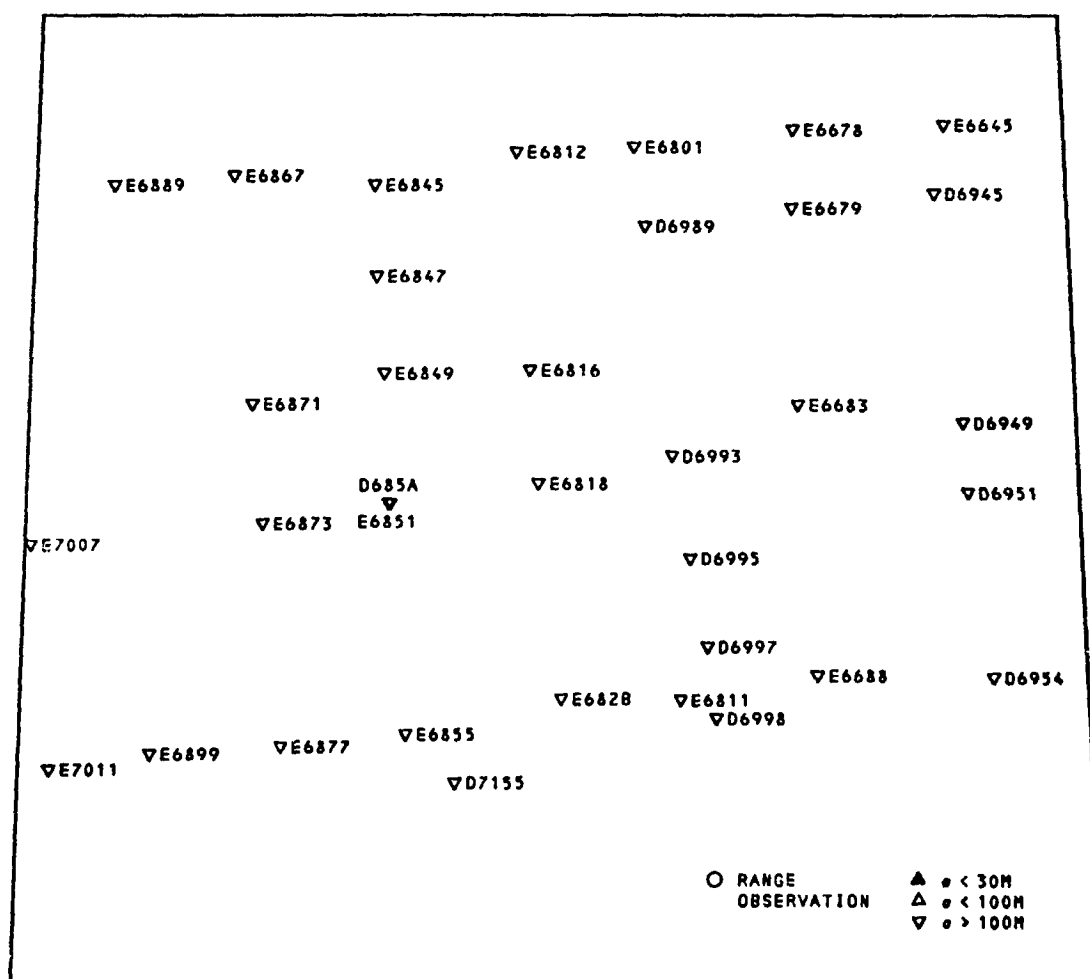
Terrain point 22051, which appears on map sheet 640, was used as a control point and, as such, has standard deviations of zero in all coordinates.



MAP SHEET 38A

TERRAIN POINTS ON MAP SHEET 38A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E7073	X = 687613 Y = -1380433 Z = 795179	233 145 65	LAT. = 27 16 34.0 LONG. = - 63 31 17.3 RAD. = 1735141.7	6.2 35.4 83.4
E7077	X = 705719 Y = -1399228 Z = 744714	221 152 108	LAT. = 25 25 3.2 LONG. = - 63 14 7.1 RAD. = 1735072.1	11.3 34.2 83.8
E7045	X = 685277 Y = -1334659 Z = 871200	231 127 22	LAT. = 30 8 34.6 LONG. = - 62 49 18.9 RAD. = 1734909.0	4.7 34.8 64.6
E7049	X = 703927 Y = -1355422 Z = 823105	220 133 39	LAT. = 28 19 16.6 LONG. = - 62 33 19.0 RAD. = 1734988.5	4.0 33.7 65.1
E7051	X = 711019 Y = -1366486 Z = 798618	216 137 54	LAT. = 27 24 15.9 LONG. = - 62 30 39.0 RAD. = 1735114.3	5.5 33.3 65.2
E7055	X = 729415 Y = -1384645 Z = 749446	205 144 87	LAT. = 25 35 18.6 LONG. = - 62 13 12.9 RAD. = 1735211.1	9.6 32.2 64.9
E7012	X = 720434 Y = -1313424 Z = 875382	211 119 22	LAT. = 30 18 .1 LONG. = - 61 15 16.3 RAD. = 1735050.3	4.7 31.9 62.9
E7016	X = 739003 Y = -1334015 Z = 827596	199 124 35	LAT. = 28 29 15.2 LONG. = - 61 0 53.6 RAD. = 1735118.5	3.5 30.8 60.3
E7001	X = 741253 Y = -1299684 Z = 878628	198 114 21	LAT. = 30 25 22.9 LONG. = - 60 18 8.8 RAD. = 1735114.3	4.6 30.1 59.9
E7005	X = 759905 Y = -1320423 Z = 830448	188 120 33	LAT. = 28 35 41.5 LONG. = - 60 4 46.3 RAD. = 1735113.0	3.2 29.2 60.5
E7018	X = 748876 Y = -1344675 Z = 801095	194 128 50	LAT. = 27 29 46.0 LONG. = - 60 53 8.5 RAD. = 1735142.3	4.9 30.3 60.3
E7022	X = 766871 Y = -1362412 Z = 752482	184 135 80	LAT. = 25 42 6.7 LONG. = - 60 37 33.0 RAD. = 1735075.2	8.7 29.4 60.0



MAP SHEET 38B

TERRAIN POINTS ON MAP SHEET 38B

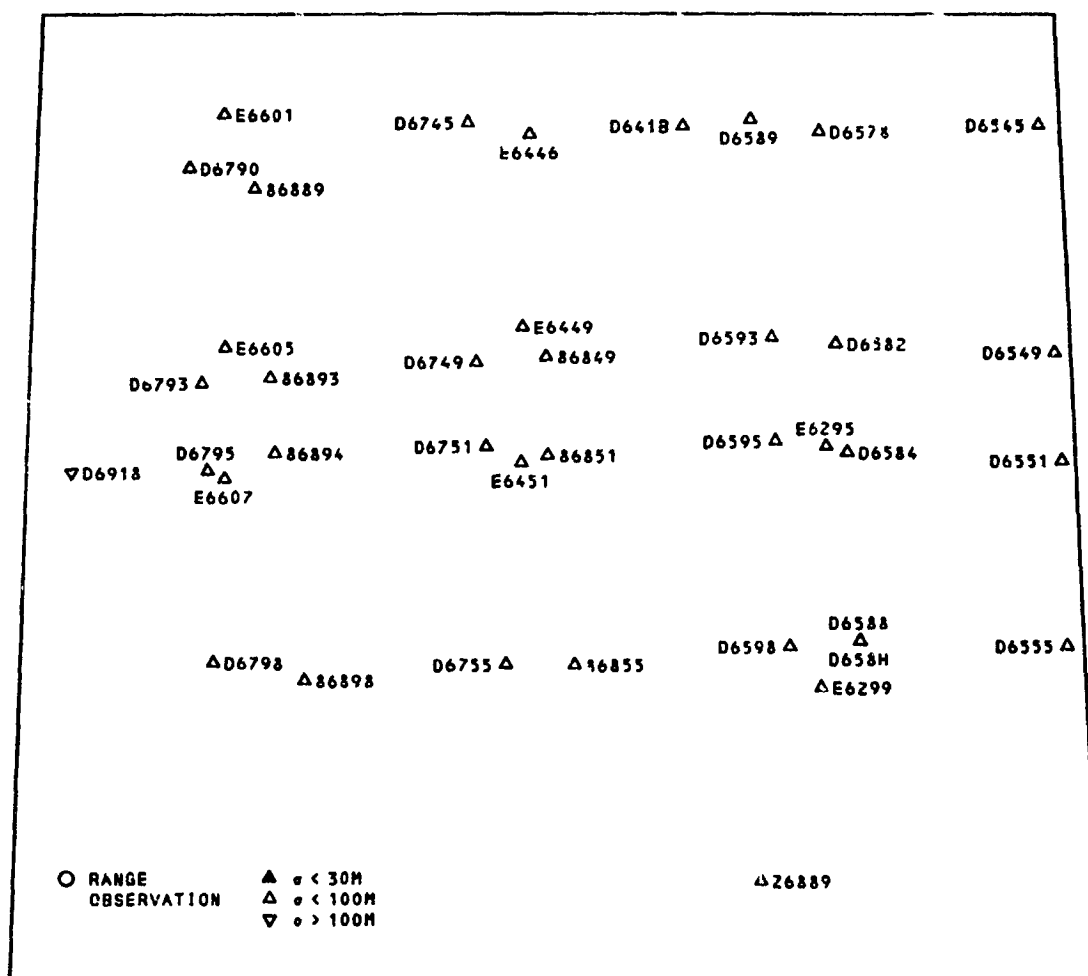
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6889	X = 763625 Y = -1283441 Z = 883223	186 107 21	LAT. = 30 36 .8 LONG. = - 59 14 53.1 RAD. = 1735058.3	4.4 28.3 54.9
E7007	X = 769915 Y = -1330595 Z = 804476	183 123 48	LAT. = 27 37 24.5 LONG. = - 59 56 42.9 RAD. = 1735060.0	4.5 28.7 60.6
E7011	X = 788112 Y = -1349195 Z = 754282	173 130 79	LAT. = 25 46 5.9 LONG. = - 59 42 33.5 RAD. = 1735047.7	8.4 27.8 60.1
E6867	X = 788932 Y = -1266662 Z = 885199	172 100 21	LAT. = 30 40 34.0 LONG. = - 58 5 .8 RAD. = 1735057.3	4.0 26.4 50.1
E6899	X = 809174 Y = -1334796 Z = 757779	163 124 71	LAT. = 25 53 43.1 LONG. = - 58 46 30.4 RAD. = 1735128.7	7.6 26.3 55.1
E6871	X = 808760 Y = -1287750 Z = 835544	163 106 28	LAT. = 28 47 13.7 LONG. = - 57 52 10.1 RAD. = 1735087.2	2.7 25.6 50.6
E6873	X = 818815 Y = -1298123 Z = 809196	159 110 42	LAT. = 27 47 59.2 LONG. = - 57 45 27.2 RAD. = 1735044.9	3.8 25.2 53.6
E6877	X = 836943 Y = -1316730 Z = 759399	150 116 66	LAT. = 25 57 12.7 LONG. = - 57 33 32.6 RAD. = 1735206.0	7.0 24.4 51.0
E6845	X = 819645 Y = -1248382 Z = 883172	158 93 21	LAT. = 30 35 57.0 LONG. = - 56 42 44.8 RAD. = 1735012.3	3.7 24.2 47.8
E6847	X = 826446 Y = -1257651 Z = 863468	154 95 20	LAT. = 29 50 45.9 LONG. = - 56 41 22.9 RAD. = 1735014.8	2.7 24.0 45.7
E6849	X = 834881 Y = -1266511 Z = 842336	151 98 25	LAT. = 29 2 34.7 LONG. = - 56 36 26.0 RAD. = 1735109.9	2.4 23.7 47.7
D685A	X = 844827 Y = -1278516 Z = 813789	148 103 37	LAT. = 27 58 13.1 LONG. = - 56 32 37.7 RAD. = 1735104.7	3.4 23.4 52.3

TERRAIN POINTS ON MAP SHEET 38B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6851	X = 844392 Y = -1278800 Z = 813755	146 102 36	LAT. = 27 58 9.7 LONG. = - 56 33 47.5 RAD. = 1735086.3	3.3 23.3 47.8
E6855	X = 862753 Y = -1298299 Z = 762193	138 109 58	LAT. = 26 3 23.6 LONG. = - 56 23 41.7 RAD. = 1735183.4	6.3 22.7 45.8
E6812	X = 847102 Y = -1224944 Z = 890312	146 89 22	LAT. = 30 52 15.3 LONG. = - 55 20 4.0 RAD. = 1735143.8	4.4 22.1 51.7
E6816	X = 865308 Y = -1245430 Z = 843046	137 92 24	LAT. = 29 4 11.8 LONG. = - 55 12 32.2 RAD. = 1735102.4	2.3 21.5 47.6
E6813	X = 874706 Y = -1255467 Z = 818120	133 94 33	LAT. = 28 7 55.9 LONG. = - 55 8 3.8 RAD. = 1735116.2	2.9 21.2 47.7
D7155	X = 876197 Y = -1295624 Z = 751343	133 108 68	LAT. = 25 39 30.0 LONG. = - 55 55 49.9 RAD. = 1735188.1	7.2 22.0 52.1
E6801	X = 870968 Y = -1207351 Z = 891437	135 80 21	LAT. = 30 54 46.7 LONG. = - 54 11 37.7 RAD. = 1735206.9	3.9 20.5 45.0
D6989	X = 878864 Y = -1214140 Z = 874310	131 81 19	LAT. = 30 15 21.5 LONG. = - 54 6 3.0 RAD. = 1735211.1	2.9 20.2 44.1
E6828	X = 893504 Y = -1272974 Z = 770340	125 101 59	LAT. = 26 20 59.7 LONG. = - 54 56 5.5 RAD. = 1735579.5	5.9 20.6 51.8
D6993	X = 900378 Y = -1233165 Z = 824141	122 86 29	LAT. = 28 21 29.2 LONG. = - 53 51 55.7 RAD. = 1735103.8	2.5 19.5 44.6
D6995	X = 911342 Y = -1240881 Z = 801732	118 89 38	LAT. = 27 30 28.8 LONG. = - 53 42 19.0 RAD. = 1735829.0	3.5 19.1 44.4
D6997	X = 920657 Y = -1246807 Z = 782133	114 91 47	LAT. = 26 46 38.5 LONG. = - 53 33 26.6 RAD. = 1736049.5	4.6 18.8 45.3

TERRAIN POINTS ON MAP SHEET 38B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6811	X = 918407 Y = -1255850 Z = 770182	115 94 53	LAT. = 26 20 12.0 LONG. = - 53 49 18.8 RAD. = 1736033.6	5.4 19.1 45.1
D6998	X = 926924 Y = -1252132 Z = 766028	111 92 53	LAT. = 26 11 1.5 LONG. = - 53 29 17.9 RAD. = 1736036.4	5.5 18.6 44.4
E6678	X = 902111 Y = -1181284 Z = 895088	122 75 22	LAT. = 31 3 23.7 LONG. = - 52 37 55.6 RAD. = 1735055.9	4.3 18.3 47.4
E6679	X = 907523 Y = -1189780 Z = 878208	119 75 19	LAT. = 30 24 29.0 LONG. = - 52 39 53.5 RAD. = 1735057.2	3.2 18.2 45.9
E6683	X = 922810 Y = -1209045 Z = 835479	113 80 26	LAT. = 28 46 48.6 LONG. = - 52 38 49.6 RAD. = 1735336.3	2.2 17.9 46.2
E6688	X = 944869 Y = -1232729 Z = 775721	104 86 50	LAT. = 26 32 21.3 LONG. = - 52 31 49.2 RAD. = 1736128.3	4.9 17.3 45.8
E6645	X = 931679 Y = -1157256 Z = 896174	110 66 21	LAT. = 31 5 54.9 LONG. = - 51 9 47.8 RAD. = 1735048.6	4.0 16.3 44.5
D6945	X = 934950 Y = -1165972 Z = 881399	108 67 19	LAT. = 30 31 47.8 LONG. = - 51 16 30.6 RAD. = 1735075.1	3.1 16.3 43.4
D6949	X = 957046 Y = -1185191 Z = 831758	100 72 26	LAT. = 28 38 4.9 LONG. = - 51 4 44.5 RAD. = 1735637.1	2.1 15.8 43.6
D6951	X = 963010 Y = -1191515 Z = 816459	97 74 31	LAT. = 28 3 15.9 LONG. = - 51 3 14.6 RAD. = 1736001.4	2.5 15.6 43.6
D6954	X = 980221 Y = -1205173 Z = 775373	91 78 47	LAT. = 26 31 29.4 LONG. = - 50 52 37.2 RAD. = 1736225.3	4.6 15.2 44.2



MAP SHEET 39A

TERRAIN POINTS ON MAP SHEET 39A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6918	X = 991917 Y = -1164318 Z = 820180	87 67 29	LAT. = 28 12 4.2 LONG. = - 49 34 16.8 RAD. = 1735578.1	2.3 13.8 44.1
E6601	X = 989938 Y = -1106427 Z = 898012	88 55 21	LAT. = 31 10 6.3 LONG. = - 48 10 49.8 RAD. = 1735102.8	3.9 12.6 43.3
D6790	X = 988177 Y = -1117245 Z = 886442	88 57 19	LAT. = 30 43 24.1 LONG. = - 48 30 28.8 RAD. = 1735081.9	3.3 12.9 42.4
E6605	X = 1010737 Y = -1127442 Z = 847559	81 58 22	LAT. = 29 14 16.7 LONG. = - 48 7 27.1 RAD. = 1735243.7	2.1 12.3 43.7
D6793	X = 1009357 Y = -1134554 Z = 839746	81 60 22	LAT. = 28 56 31.2 LONG. = - 48 20 32.4 RAD. = 1735283.9	1.9 12.5 42.7
D6795	X = 1017894 Y = -1141320 Z = 820628	78 61 28	LAT. = 28 13 6.1 LONG. = - 48 16 17.8 RAD. = 1735555.0	2.2 12.3 42.7
E6607	X = 1021758 Y = -1139114 Z = 818909	77 61 29	LAT. = 28 9 13.8 LONG. = - 48 6 31.2 RAD. = 1735563.6	2.4 12.2 43.6
D6798	X = 1034731 Y = -1156567 Z = 778125	72 64 41	LAT. = 26 37 46.6 LONG. = - 48 10 56.5 RAD. = 1736028.6	3.8 12.1 41.4
86889	X = 1002406 Y = -1108077 Z = 881990	84 55 19	LAT. = 30 33 8.0 LONG. = - 47 51 59.0 RAD. = 1735095.9	3.2 12.2 42.8
86893	X = 1021799 Y = -1122401 Z = 840952	77 57 23	LAT. = 28 59 18.0 LONG. = - 47 41 10.4 RAD. = 1735240.0	2.0 11.8 43.1
86894	X = 1029121 Y = -1128265 Z = 824450	75 58 27	LAT. = 28 21 48.6 LONG. = - 47 37 52.4 RAD. = 1735450.8	2.2 11.7 43.1
86898	X = 1053288 Y = -1142634 Z = 774185	67 61 43	LAT. = 26 28 53.2 LONG. = - 47 19 47.7 RAD. = 1736200.1	4.0 11.2 42.8

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

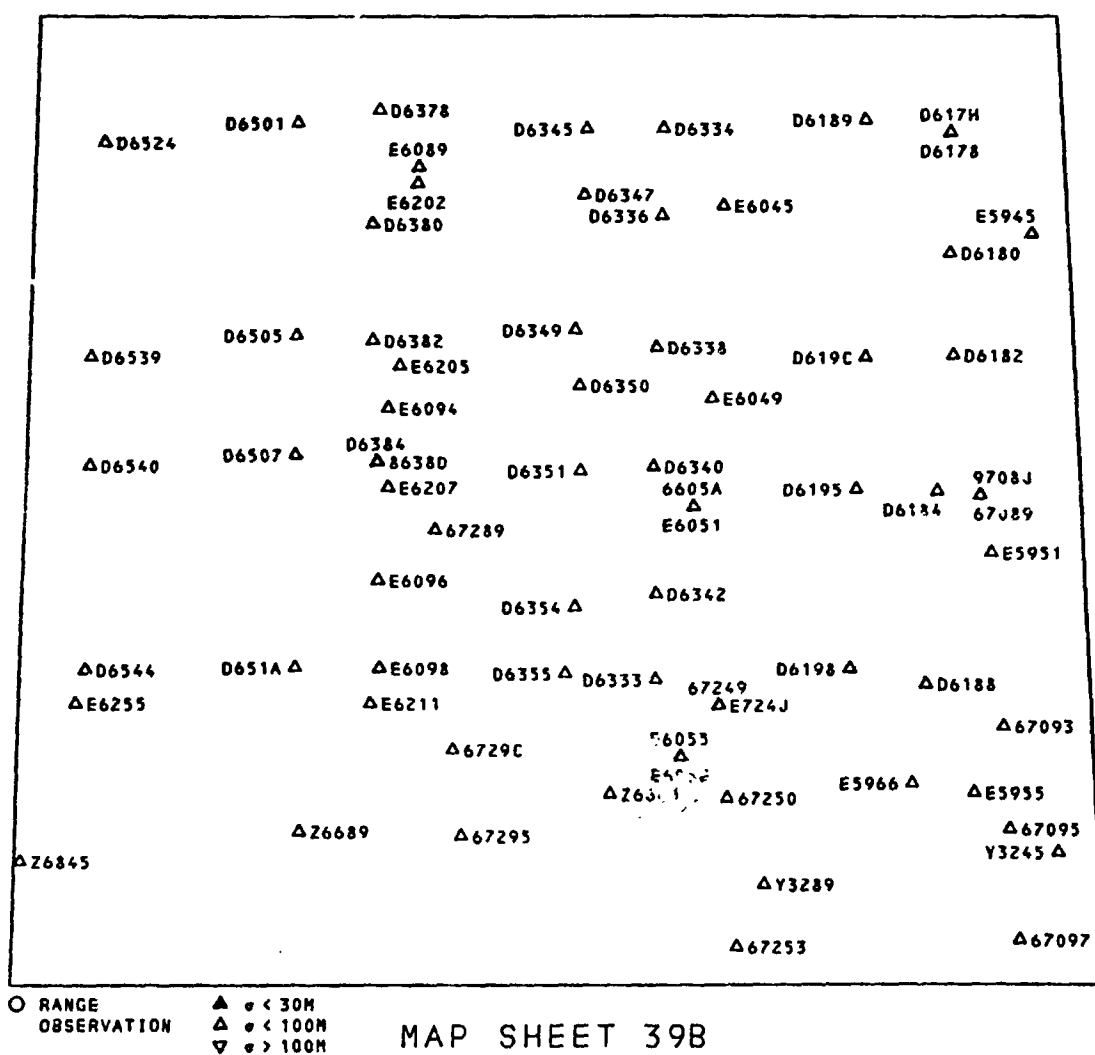
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6745	X = 1036023 Y = -1064958 Z = 896190	72 48 20	LAT. = 31 5 52.2 LONG. = - 45 47 20.6 RAD. = 1735118.0	3.6 10.1 41.5
E6446	X = 1048390 Y = -1055035 Z = 893828	68 45 18	LAT. = 31 0 13.8 LONG. = - 45 10 51.6 RAD. = 1735266.3	3.2 9.4 39.7
E6449	X = 1064189 Y = -1073808 Z = 852273	64 48 20	LAT. = 29 24 42.8 LONG. = - 45 15 28.0 RAD. = 1735491.4	2.1 9.4 41.6
86849	X = 1070924 Y = -1072245 Z = 845730	62 48 21	LAT. = 29 9 52.7 LONG. = - 45 2 7.1 RAD. = 1735467.3	2.0 9.2 41.8
D6749	X = 1058718 Y = -1084925 Z = 844428	65 50 22	LAT. = 29 7 11.7 LONG. = - 45 42 1.5 RAD. = 1735224.4	2.0 9.8 41.9
D6751	X = 1067820 Y = -1090872 Z = 826113	63 51 26	LAT. = 28 25 16.3 LONG. = - 45 36 42.6 RAD. = 1735714.1	2.1 9.7 41.8
86851	X = 1079590 Y = -1080578 Z = 824106	59 49 26	LAT. = 28 20 52.4 LONG. = - 45 1 34.3 RAD. = 1735601.6	2.1 9.1 41.8
E6451	X = 1075494 Y = -1085878 Z = 822587	61 50 26	LAT. = 28 17 24.6 LONG. = - 45 16 30.9 RAD. = 1735646.6	2.1 9.3 41.6
D6755	X = 1089079 Y = -1105651 Z = 777658	56 53 37	LAT. = 26 36 52.9 LONG. = - 45 25 57.5 RAD. = 1735888.4	3.4 9.3 39.8
86855	X = 1101476 Y = -1093391 Z = 777570	53 51 39	LAT. = 26 36 40.2 LONG. = - 44 47 20.1 RAD. = 1735905.6	3.5 8.7 41.6
D6589	X = 1085827 Y = -1013583 Z = 896917	57 41 19	LAT. = 31 7 29.1 LONG. = - 43 1 44.9 RAD. = 1735174.5	3.2 7.6 38.8
E641B	X = 1074670 Y = -1026625 Z = 895537	64 50 20	LAT. = 31 4 16.9 LONG. = - 43 41 24.7 RAD. = 1735183.3	4.1 8.3 48.3

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z6889	X = 1150754 Y = -1076348 Z = 728618	49 38 20	LAT. = 24 48 59.6 LONG. = - 43 5 11.4 RAD. = 1735985.0	3.4 5.0 45.0
D6578	X = 1098847 Y = -1001785 Z = 894382	53 39 18	LAT. = 31 1 34.6 LONG. = - 42 21 16.1 RAD. = 1735210.6	2.9 7.1 37.0
D6593	X = 1108937 Y = -1029382 Z = 849885	52 42 20	LAT. = 29 19 22.1 LONG. = - 42 52 9.6 RAD. = 1735417.0	2.0 7.4 39.9
D6582	X = 1120550 Y = -1017887 Z = 848502	48 40 19	LAT. = 29 16 13.5 LONG. = - 42 15 5.1 RAD. = 1735420.1	1.9 6.9 38.5
D6595	X = 1118505 Y = -1037683 Z = 827133	49 43 24	LAT. = 28 27 47.5 LONG. = - 42 51 12.0 RAD. = 1735508.1	2.0 7.3 39.9
E6295	X = 1127709 Y = -1028645 Z = 826027	47 42 23	LAT. = 28 25 14.8 LONG. = - 42 22 10.8 RAD. = 1735557.1	2.0 7.0 39.6
D6584	X = 1131737 Y = -1025284 Z = 824736	46 41 23	LAT. = 28 22 19.2 LONG. = - 42 10 28.7 RAD. = 1735577.0	1.9 6.8 38.4
D6588	X = 1149483 Y = -1039080 Z = 783089	42 42 32	LAT. = 26 48 39.5 LONG. = - 42 6 43.7 RAD. = 1736152.9	2.8 6.6 38.0
D658H	X = 1149495 Y = -1039094 Z = 783065	45 43 42	LAT. = 26 48 36.0 LONG. = - 42 6 44.0 RAD. = 1736158.1	3.6 6.8 46.1
D6598	X = 1138044 Y = -1052541 Z = 781700	45 44 35	LAT. = 26 45 37.8 LONG. = - 42 45 53.2 RAD. = 1736100.0	3.1 7.2 39.7
E6299	X = 1146620 Y = -1050207 Z = 772600	43 44 36	LAT. = 26 25 19.5 LONG. = - 42 29 13.4 RAD. = 1736255.7	3.3 6.9 39.3
D6545	X = 1134918 Y = -959353 Z = 895901	46 37 18	LAT. = 31 5 3.8 LONG. = - 40 12 28.9 RAD. = 1735233.7	3.0 5.9 37.1

TERRAIN POINTS ON MAP SHEET 39A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6549	X = 1157896 Y = -976662 Z = 846689	41 37 19	LAT. = 29 12 10.5 LONG. = - 40 8 49.1 RAD. = 1735359.9	1.9 5.7 37.4
D6551	X = 1168455 Y = -984795 Z = 822982	39 38 23	LAT. = 28 18 19.0 LONG. = - 40 7 29.2 RAD. = 1735628.7	1.9 5.7 37.4
D6555	X = 1184526 Y = -999453 Z = 781839	36 38 31	LAT. = 26 46 9.5 LONG. = 40 9 22.5 RAD. = 1735880.7	2.8 5.6 37.3



TERRAIN POINTS ON MAP SHEET 39B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6524	X = 1150860 Y = -943265 Z = 892703	40 35 17	LAT. = 30 57 37.9 LONG. = - 39 20 19.1 RAD. = 1735265.6	2.6 5.4 34.0
D6539	X = 1170424 Y = -961952 Z = 846384	37 35 17	LAT. = 29 11 26.4 LONG. = - 39 24 58.3 RAD. = 1735399.3	1.7 5.3 34.2
D6540	X = 1180858 Y = -970073 Z = 822591	35 36 20	LAT. = 28 17 31.5 LONG. = - 39 24 11.0 RAD. = 1735546.7	1.7 5.2 35.0
D6544	X = 1199506 Y = -984814 Z = 777361	33 37 29	LAT. = 26 36 19.3 LONG. = - 39 23 11.6 RAD. = 1735789.0	2.6 5.2 35.5
E6255	X = 1201016 Y = -988927 Z = 769812	33 38 31	LAT. = 26 19 36.2 LONG. = - 39 28 6.1 RAD. = 1735807.4	2.8 5.3 36.3
Z6845	X = 1206005 Y = -1009898 Z = 734194	32 36 18	LAT. = 25 1 14.3 LONG. = - 39 56 33.0 RAD. = 1735909.6	2.4 4.1 35.4
D6501	X = 1179039 Y = -903599 Z = 896876	37 35 18	LAT. = 31 7 19.7 LONG. = - 37 27 57.7 RAD. = 1735226.5	2.7 4.8 34.5
D6505	X = 1200698 Y = -919714 Z = 851114	34 35 18	LAT. = 29 22 4.4 LONG. = - 37 27 5.4 RAD. = 1735495.3	1.9 4.7 34.6
D6507	X = 1212306 Y = -928468 Z = 824987	32 35 21	LAT. = 28 22 51.0 LONG. = - 37 26 50.7 RAD. = 1735609.7	1.9 4.7 34.7
D651A	X = 1232219 Y = -943077 Z = 777808	30 35 27	LAT. = 26 37 22.5 LONG. = - 37 25 42.9 RAD. = 1735725.5	2.5 4.6 34.7
Z6689	X = 1247406 Y = -952888 Z = 740745	31 35 17	LAT. = 25 15 44.9 LONG. = - 37 22 33.8 RAD. = 1735718.7	2.3 4.0 33.6
D6378	X = 1190276 Y = -886121 Z = 899543	34 34 17	LAT. = 31 13 27.4 LONG. = - 36 39 59.3 RAD. = 1735265.2	2.5 4.6 32.6

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6089	X = 1202184 Y = -882423 Z = 887366	34 34 17	LAT. = 30 45 15.1 LONG. = - 36 16 45.4 RAD. = 1735319.6	2.5 4.5 33.0
E6202	X = 1203754 Y = -883938 Z = 883786	34 35 17	LAT. = 30 36 58.0 LONG. = - 36 17 25.8 RAD. = 1735351.9	2.5 4.6 33.8
D6380	X = 1201161 Y = -896080 Z = 875151	33 34 16	LAT. = 30 17 3.6 LONG. = - 36 43 24.1 RAD. = 1735406.5	2.1 4.5 32.7
D6382	X = 1213028 Y = -904575 Z = 849974	31 33 17	LAT. = 29 19 25.1 LONG. = - 36 42 45.0 RAD. = 1735554.4	1.8 4.5 32.2
E6205	X = 1219590 Y = -900929 Z = 844475	32 34 18	LAT. = 29 6 55.0 LONG. = - 36 27 13.8 RAD. = 1735571.9	1.9 4.5 33.9
E6094	X = 1222062 Y = -906474 Z = 835225	32 34 19	LAT. = 28 45 49.1 LONG. = - 36 33 59.2 RAD. = 1735721.9	1.9 4.5 33.9
D6384	X = 1225486 Y = -912468 Z = 823442	30 33 18	LAT. = 28 19 19.9 LONG. = - 36 40 13.8 RAD. = 1735647.4	1.7 4.5 32.4
86380	X = 1225517 Y = -912473 Z = 823426	30 34 20	LAT. = 28 19 16.8 LONG. = - 36 40 11.9 RAD. = 1735664.0	1.9 4.5 33.8
E6207	X = 1229573 Y = -912105 Z = 817761	31 34 20	LAT. = 28 6 32.8 LONG. = - 36 34 5.7 RAD. = 1735661.1	1.9 4.5 34.0
67289	X = 1240742 Y = -905320 Z = 808525	28 33 16	LAT. = 27 45 25.2 LONG. = - 36 7 .3 RAD. = 1735637.0	1.7 4.2 30.4
E6096	X = 1237000 Y = -920348 Z = 797205	28 33 19	LAT. = 27 20 29.2 LONG. = - 36 38 59.5 RAD. = 1735726.1	1.8 4.4 31.5
E6098	X = 1245326 Y = -926057 Z = 777667	28 34 24	LAT. = 26 36 56.2 LONG. = - 36 38 7.6 RAD. = 1735852.5	2.2 4.4 32.8

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E6211	X = 1247064 Y = -930214 Z = 769688	29 34 26	LAT. = 26 19 22.2 LONG. = - 36 43 12.4 RAD. = 1735766.3	2.4 4.5 34.0
6729C	X = 1263609 Y = -916372 Z = 759294	38 34 20	LAT. = 25 56 24.9 LONG. = - 35 56 59.0 RAD. = 1735791.9	2.0 4.4 41.0
67295	X = 1272432 Y = -920197 Z = 739838	28 33 16	LAT. = 25 13 37.9 LONG. = - 35 52 25.2 RAD. = 1735858.7	1.7 4.0 31.4
D6345	X = 1222854 Y = -844952 Z = 895533	30 34 17	LAT. = 31 4 7.4 LONG. = - 34 38 35.5 RAD. = 1735307.8	2.3 4.2 31.6
D6347	X = 1229687 Y = -850665 Z = 881682	30 33 16	LAT. = 30 31 33.6 LONG. = - 34 40 28.1 RAD. = 1735834.9	2.2 4.2 31.6
D6349	X = 1242168 Y = -862374 Z = 852414	29 33 16	LAT. = 29 24 36.0 LONG. = - 34 46 13.0 RAD. = 1735879.5	1.8 4.2 31.6
D6350	X = 1248121 Y = -865340 Z = 840150	28 33 17	LAT. = 28 57 2.2 LONG. = - 34 44 2.8 RAD. = 1735647.4	1.7 4.1 31.2
D6340	X = 1266589 Y = -855652 Z = 822363	27 32 17	LAT. = 28 16 50.6 LONG. = - 34 2 28.4 RAD. = 1735704.3	1.7 4.0 30.7
D6351	X = 1256527 Y = -871263 Z = 821426	27 33 18	LAT. = 28 14 43.6 LONG. = - 34 44 13.3 RAD. = 1735713.0	1.7 4.1 31.6
D6342	X = 1279138 Y = -863938 Z = 794251	26 32 19	LAT. = 27 13 42.3 LONG. = - 34 2 7.2 RAD. = 1735919.2	1.7 4.0 30.5
D6354	X = 1268714 Y = -881689 Z = 791301	27 33 21	LAT. = 27 7 12.7 LONG. = - 34 47 50.1 RAD. = 1735847.5	1.9 4.1 31.9
D6355	X = 1273407 Y = -888062 Z = 776470	26 33 22	LAT. = 26 34 18.2 LONG. = - 34 53 29.6 RAD. = 1735835.0	2.0 4.1 31.9

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

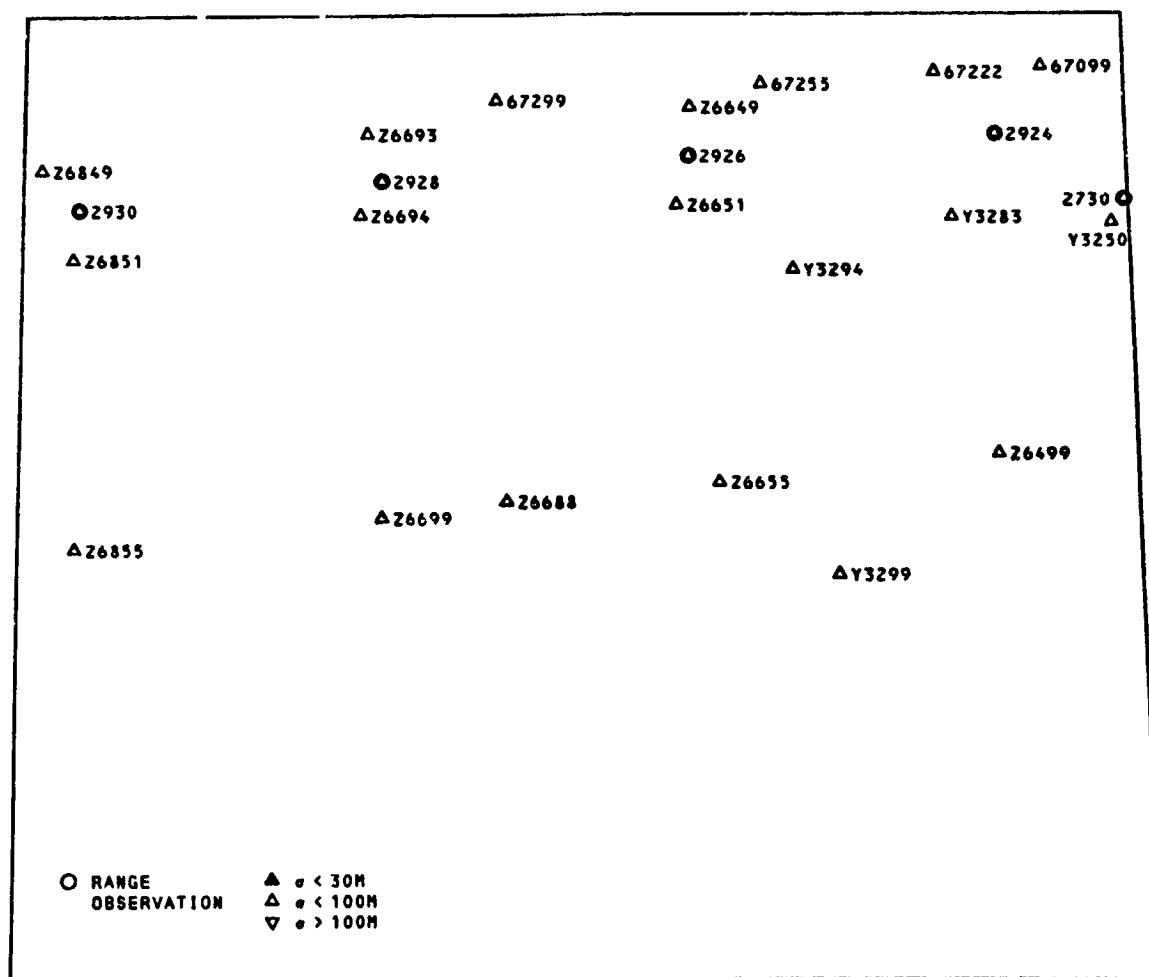
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6333	X = 1286842 Y = -869650 Z = 775051	26 32 20	LAT. = 26 31 12.6 LONG. = - 34 3 3.3 RAD. = 1735787.7	1.9 4.0 30.6
Z6645	X = 1290552 Y = -886599 Z = 749327	29 33 17	LAT. = 25 34 28.3 LONG. = - 34 29 19.5 RAD. = 1735820.1	2.2 3.9 31.9
D6334	X = 1233780 Y = -828819 Z = 895590	30 33 16	LAT. = 31 4 16.5 LONG. = - 33 53 31.5 RAD. = 1735291.1	2.3 4.2 31.1
E6045	X = 1250192 Y = -822091 Z = 879030	30 34 17	LAT. = 30 26 .5 LONG. = - 33 19 40.0 RAD. = 1735369.6	2.4 4.2 32.2
D6336	X = 1242731 Y = -835673 Z = 876890	34 33 16	LAT. = 30 21 2.5 LONG. = - 33 55 7.8 RAD. = 1735415.2	2.4 4.2 34.4
D6338	X = 1255277 Y = -846424 Z = 848425	28 32 16	LAT. = 29 15 57.3 LONG. = - 33 59 29.4 RAD. = 1735505.9	1.7 4.1 30.7
E6049	X = 1268003 Y = -838497 Z = 837285	27 32 17	LAT. = 28 50 43.0 LONG. = - 33 28 32.2 RAD. = 1735498.4	1.7 4.1 31.0
6605A	X = 1275978 Y = -850009 Z = 813577	29 33 17	LAT. = 27 57 9.2 LONG. = - 33 40 12.3 RAD. = 1735667.8	2.2 4.0 31.5
E6051	X = 1276016 Y = -850003 Z = 813535	27 32 17	LAT. = 27 57 3.1 LONG. = - 33 40 8.8 RAD. = 1735673.2	1.7 4.0 31.2
67249	X = 1298000 Y = -858095 Z = 769285	25 32 16	LAT. = 26 18 27.9 LONG. = - 33 28 5.8 RAD. = 1735779.4	1.6 3.9 29.7
E724J	X = 1297968 Y = -858105 Z = 769253	34 33 34	LAT. = 26 18 25.7 LONG. = - 33 28 9.3 RAD. = 1735746.2	2.8 4.4 41.7
E6055	X = 1297358 Y = -869323 Z = 757685	26 33 18	LAT. = 25 52 52.8 LONG. = - 33 49 29.7 RAD. = 1735783.9	1.7 3.9 30.9

TERRAIN POINTS ON MAP SHEET 39R (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E605E	X = 1297352 Y = -869334 Z = 757680	26 33 25	LAT. = 25 52 52.2 LONG. = - 33 49 31.4 RAD. = 1735783.8	2.3 4.1 32.4
67250	X = 1307455 Y = -862330 Z = 748391	24 32 15	LAT. = 25 32 23.9 LONG. = - 33 24 24.4 RAD. = 1735839.9	1.6 3.8 28.4
Y3289	X = 1320041 Y = -859972 Z = 728848	42 33 18	LAT. = 24 49 35.5 LONG. = - 33 4 59.5 RAD. = 1735879.8	2.9 4.2 39.1
67253	X = 1321491 Y = -869586 Z = 714704	24 32 15	LAT. = 24 18 46.9 LONG. = - 33 20 46.5 RAD. = 1735891.8	1.5 3.8 28.6
D6195	X = 1296582 Y = -814306 Z = 817231	25 31 15	LAT. = 28 5 29.4 LONG. = - 32 7 49.8 RAD. = 1735536.2	1.6 3.9 28.5
D6198	X = 1312624 Y = -827801 Z = 777371	24 31 16	LAT. = 26 36 27.9 LONG. = - 32 14 14.7 RAD. = 1735668.3	1.6 3.8 28.6
D6189	X = 1260515 Y = -785430 Z = 897467	28 33 16	LAT. = 31 8 36.9 LONG. = - 31 55 37.7 RAD. = 1735294.1	2.3 4.0 30.5
D617H	X = 1273170 Y = -767855 Z = 894796	42 36 18	LAT. = 31 2 26.6 LONG. = - 31 5 39.7 RAD. = 1735287.7	3.4 4.2 4.1
D6178	X = 1273201 Y = -767862 Z = 894768	29 33 17	LAT. = 31 2 21.9 LONG. = - 31 5 38.4 RAD. = 1735298.6	2.3 4.1 31.3
D6180	X = 1285593 Y = -776989 Z = 868835	27 31 15	LAT. = 30 2 41.4 LONG. = - 31 8 52.8 RAD. = 1735320.0	1.8 3.9 29.4
D6182	X = 1296373 Y = -783698 Z = 846650	25 31 15	LAT. = 29 12 3.1 LONG. = - 31 9 15.4 RAD. = 1735391.0	1.7 3.9 28.9
D619C	X = 1284941 Y = -802845 Z = 846162	28 33 17	LAT. = 29 10 55.9 LONG. = - 31 59 51.3 RAD. = 1735403.1	1.9 4.0 31.6

TERRAIN POINTS ON MAP SHEET 39B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6184	X = 1307683 Y = -796872 Z = 816788	26 32 17	LAT. = 28 4 28.0 LONG. = - 31 21 25.8 RAD. = 1735564.3	1.7 3.9 30.4
D6188	X = 1324276 Y = -812438 Z = 773963	24 31 18	LAT. = 26 28 51.1 LONG. = - 31 31 44.2 RAD. = 1735736.4	1.7 3.8 29.0
E5966	X = 1331302 Y = -821880 Z = 751691	23 31 15	LAT. = 25 39 42.8 LONG. = - 31 41 20.9 RAD. = 1735768.1	1.5 3.7 27.6
E5955	X = 1340424 Y = -809029 Z = 749585	25 31 21	LAT. = 25 35 1.1 LONG. = - 31 6 48.9 RAD. = 1735840.5	2.0 3.8 30.6
E5945	X = 1294153 Y = -757906 Z = 872996	28 32 16	LAT. = 30 12 12.3 LONG. = - 30 21 17.5 RAD. = 1735331.3	2.1 3.9 30.2
9708J	X = 1313673 Y = -787835 Z = 815977	38 33 21	LAT. = 28 2 37.7 LONG. = - 30 57 6.9 RAD. = 1735579.8	2.0 4.2 41.6
67089	X = 1313686 Y = -787819 Z = 815941	28 32 16	LAT. = 28 2 33.8 LONG. = - 30 57 4.2 RAD. = 1735565.8	2.1 3.9 30.8
E5951	X = 1320678 Y = -789278 Z = 803201	24 31 15	LAT. = 27 34 .4 LONG. = - 30 51 49.9 RAD. = 1735592.6	1.6 3.8 28.1
67093	X = 1338287 Y = -798345 Z = 764526	24 31 15	LAT. = 26 7 58.6 LONG. = - 30 49 4.4 RAD. = 1735760.8	1.5 3.7 28.0
67095	X = 1348143 Y = -803665 Z = 741445	25 31 17	LAT. = 25 17 10.6 LONG. = - 30 48 1.2 RAD. = 1735830.6	1.6 3.8 29.8
Y3245	X = 1356288 Y = -794738 Z = 736206	28 32 16	LAT. = 25 5 42.4 LONG. = - 30 22 7.8 RAD. = 1735835.3	2.1 3.8 30.6
67097	X = 1358927 Y = -808470 Z = 716296	23 31 15	LAT. = 24 22 13.5 LONG. = - 30 44 59.3 RAD. = 1735910.6	1.5 3.7 27.8



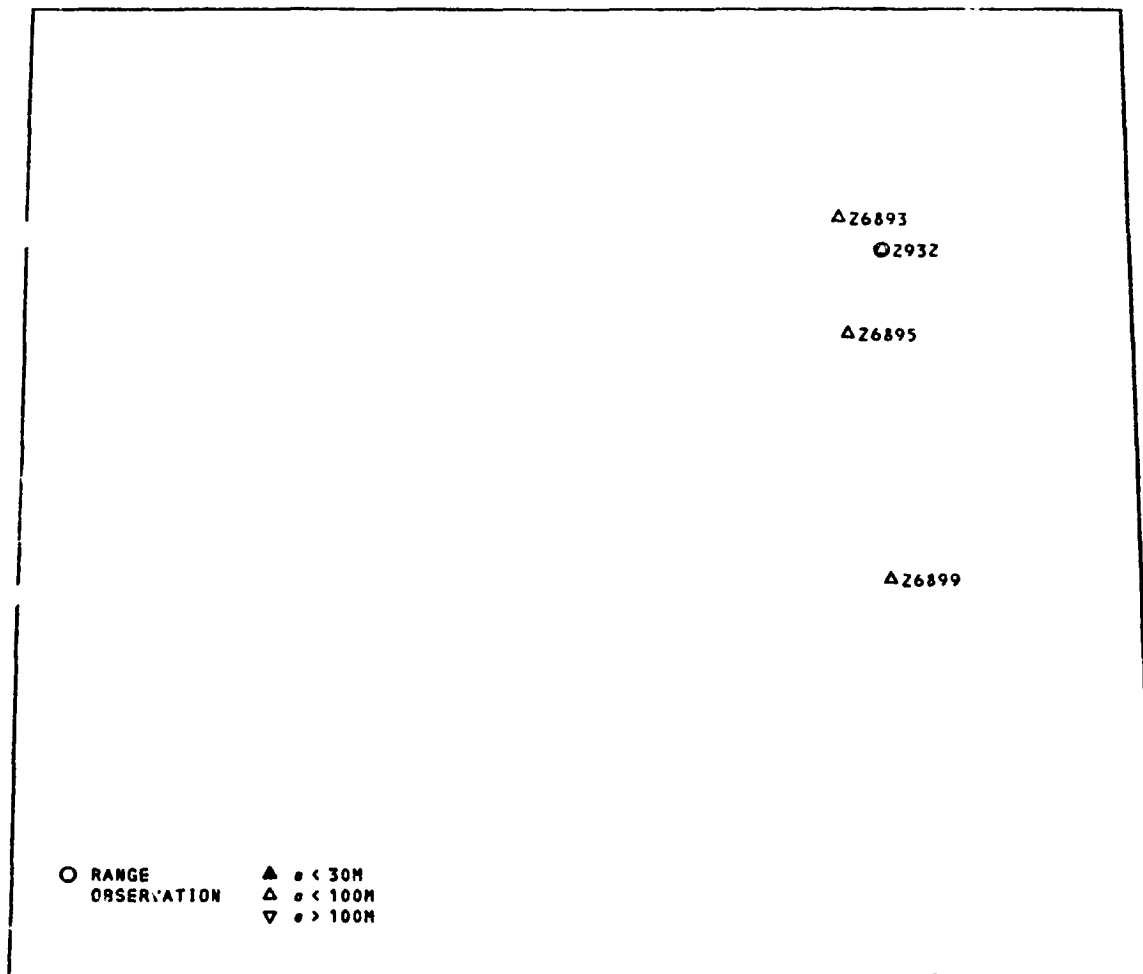
MAP SHEET 39C

TERRAIN POINTS ON MAP SHEET 39C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z6849	X = 1229298 Y = -1025795 Z = 670625	30 36 18	LAT. = 22 43 36.8 LONG. = - 39 50 36.7 RAD. = 1735847.7	1.9 4.0 35.3
2930	X = 1238413 Y = -1020750 Z = 661472	26 35 18	LAT. = 22 23 59.3 LONG. = - 39 29 48.2 RAD. = 1735840.9	1.9 4.0 31.8
Z6851	X = 1241215 Y = -1024726 Z = 649979	29 36 19	LAT. = 21 59 24.2 LONG. = - 39 32 33.0 RAD. = 1735842.8	1.9 4.0 35.3
Z6855	X = 1262023 Y = -1040092 Z = 581984	28 35 25	LAT. = 19 35 20.6 LONG. = - 39 29 36.7 RAD. = 1735857.0	2.5 3.9 35.1
Z6693	X = 1277980 Y = -958783 Z = 678708	28 34 18	LAT. = 23 0 59.5 LONG. = - 36 52 42.5 RAD. = 1735840.5	1.8 3.9 33.5
2928	X = 1283853 Y = -958508 Z = 667860	25 34 17	LAT. = 22 37 42.3 LONG. = - 36 44 40.4 RAD. = 1735814.5	1.8 3.9 30.1
Z6694	X = 1283180 Y = -964905 Z = 659922	28 34 18	LAT. = 22 20 40.8 LONG. = - 36 56 30.6 RAD. = 1735825.5	1.8 3.9 33.5
Z6699	X = 1308510 Y = -976980 Z = 589164	26 34 24	LAT. = 19 50 19.5 LONG. = - 36 44 46.8 RAD. = 1736030.2	2.4 3.8 33.3
67299	X = 1294724 Y = -930457 Z = 686360	26 33 18	LAT. = 23 17 28.4 LONG. = - 35 42 10.9 RAD. = 1735842.9	1.8 3.9 31.4
Z6688	X = 1326109 Y = -950453 Z = 592989	30 35 35	LAT. = 19 58 25.9 LONG. = - 35 37 48.1 RAD. = 1735960.9	3.3 3.9 40.6
Z6651	X = 1329136 Y = -899110 Z = 662188	26 33 18	LAT. = 22 25 26.4 LONG. = - 34 4 36.7 RAD. = 1735942.3	1.8 3.8 31.8
67255	X = 1331532 Y = -874299 Z = 690085	24 32 16	LAT. = 23 25 24.0 LONG. = - 33 17 21.7 RAD. = 1735970.4	1.6 3.7 28.7

TERRAIN POINTS ON MAP SHEET 39C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
26649	X = 1323318 Y = -890671 Z = 684743	27 33 17	LAT. = 23 13 56.5 LONG. = - 33 56 34.3 RAD. = 1735897.0	1.7 3.8 31.8
2926	X = 1326973 Y = -893756 Z = 673510	23 33 16	LAT. = 22 49 47.0 LONG. = - 33 57 41.3 RAD. = 1735878.1	1.7 3.8 28.7
Y3294	X = 1350459 Y = -878057 Z = 647192	28 32 19	LAT. = 21 53 21.3 LONG. = - 33 1 53.6 RAD. = 1735967.1	1.7 3.8 32.8
Z6655	X = 1355754 Y = -905048 Z = 597436	25 33 23	LAT. = 20 7 41.4 LONG. = - 33 43 31.9 RAD. = 1736119.7	2.3 3.7 31.8
Y3299	X = 1378711 Y = -884344 Z = 575426	31 33 37	LAT. = 19 21 44.2 LONG. = - 32 40 38.1 RAD. = 1736094.9	3.6 3.9 39.1
67222	X = 1354032 Y = -836791 Z = 692772	24 31 15	LAT. = 23 31 12.5 LONG. = - 31 42 57.8 RAD. = 1735959.4	1.7 3.7 28.4
2924	X = 1367150 Y = -827091 Z = 678526	23 32 16	LAT. = 23 0 29.7 LONG. = - 31 10 22.3 RAD. = 1735965.0	1.7 3.7 27.8
Y3283	X = 1367984 Y = -841157 Z = 659411	25 32 17	LAT. = 22 19 25.9 LONG. = - 31 35 12.7 RAD. = 1736015.1	1.6 3.7 30.0
Z6499	X = 1392045 Y = -844116 Z = 604078	24 32 23	LAT. = 20 21 28.3 LONG. = - 31 13 55.3 RAD. = 1736442.5	2.2 3.7 30.9
67099	X = 1367592 Y = -813328 Z = 694057	24 31 20	LAT. = 23 33 49.5 LONG. = - 30 44 26.1 RAD. = 1735950.9	1.9 3.7 30.0
2730	X = 1383837 Y = -802934 Z = 663368	23 32 16	LAT. = 22 27 56.2 LONG. = - 30 2 1.2 RAD. = 1735981.1	1.7 3.7 27.5
Y3250	X = 1389089 Y = -807008 Z = 658047	24 31 17	LAT. = 22 16 29.3 LONG. = - 30 9 17.8 RAD. = 1736046.0	1.6 3.3 29.7

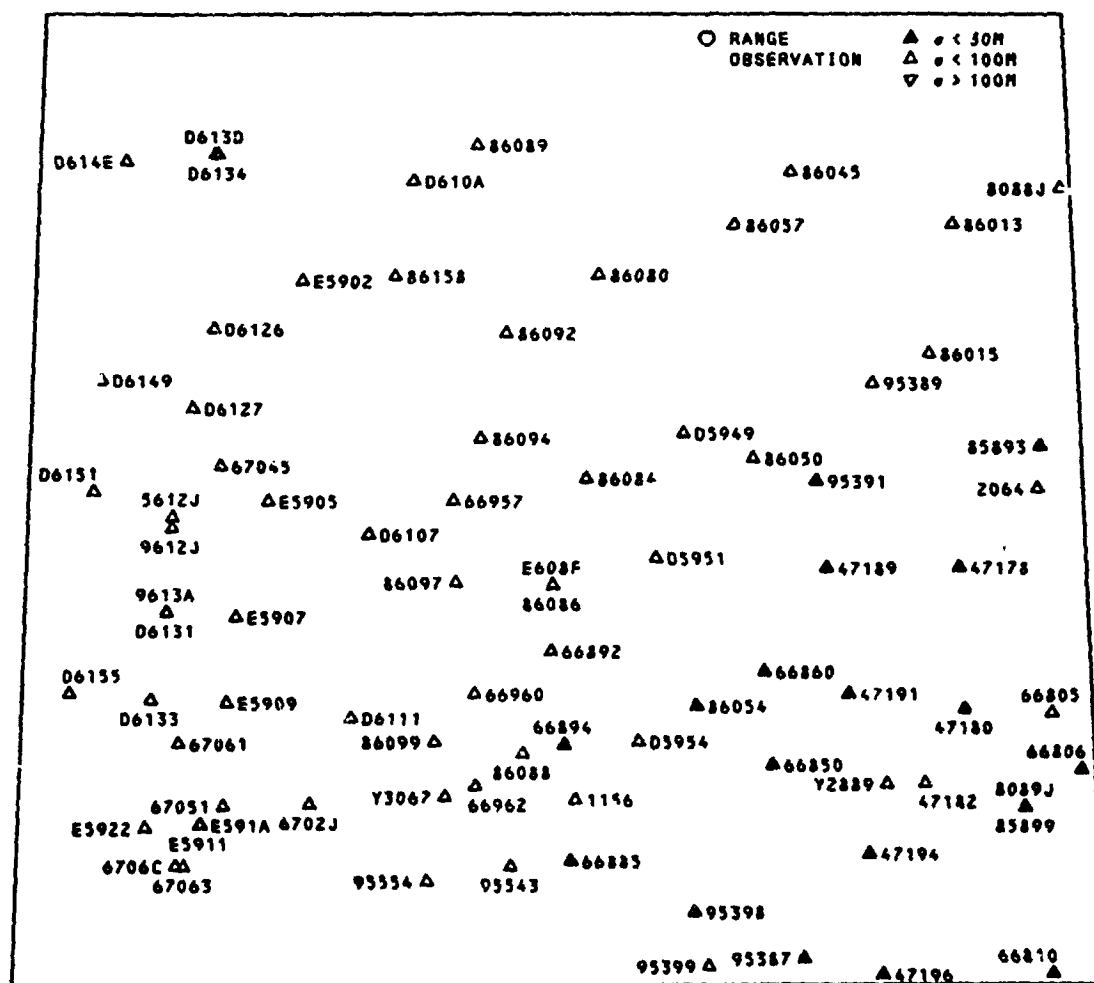


MAP SHEET 39D

TERRAIN POINTS ON MAP SHEET 39D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z6893	X = 1182010 Y = -1087793 Z = 657940	42 37 22	LAT. = 22 16 22.9 LONG. = - 42 37 23.1 RAD. = 1735893.4	2.1 4.6 44.9
2932	X = 1191413 Y = -1081853 Z = 650655	28 37 19	LAT. = 22 0 49.9 LONG. = - 42 14 26.8 RAD. = 1735863.3	2.1 4.1 33.8
Z6895	X = 1191264 Y = -1093675 Z = 631057	40 37 27	LAT. = 21 19 .8 LONG. = - 42 33 15.8 RAD. = 1735934.0	2.3 4.6 44.8
Z6899	X = 1213461 Y = -1100927 Z = 573318	36 37 39	LAT. = 19 17 8.4 LONG. = - 42 12 58.6 RAD. = 1735863.6	3.7 4.4 44.6

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TERRAIN POINTS ON MAP SHEET 40A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D614E	X = 1301698 Y = -726610 Z = 888231	45 33 18	LAT. = 30 47 14.8 LONG. = - 29 10 13.2 RAD. = 1735319.5	5.3 4.3 41.3
D6149	X = 1323340 Y = -743907 Z = 840875	27 32 17	LAT. = 28 58 55.5 LONG. = - 29 20 32.1 RAD. = 1735424.1	1.8 3.9 31.2
D6151	X = 1334442 Y = -751402 Z = 816430	25 31 16	LAT. = 28 3 44.9 LONG. = - 29 22 59.3 RAD. = 1735482.0	1.7 3.8 28.7
D6155	X = 1352377 Y = -766906 Z = 771774	24 31 16	LAT. = 26 24 1.9 LONG. = - 29 33 24.2 RAD. = 1735714.3	1.5 3.7 28.2
D613D	X = 1311819 Y = -706518 Z = 889743	42 35 18	LAT. = 30 50 37.0 LONG. = - 28 18 21.5 RAD. = 1735419.5	3.4 4.1 41.1
D6134	X = 1312230 Y = -705849 Z = 889686	29 32 16	LAT. = 30 50 28.4 LONG. = - 28 16 32.9 RAD. = 1735428.4	2.2 4.0 30.9
D6126	X = 1331382 Y = -716200 Z = 852006	26 31 15	LAT. = 29 24 16.0 LONG. = - 28 16 38.9 RAD. = 1735348.5	1.8 3.8 29.4
D6127	X = 1337648 Y = -725084 Z = 834650	24 30 15	LAT. = 28 44 50.7 LONG. = - 28 27 37.0 RAD. = 1735421.8	1.6 3.8 28.4
67045	X = 1347272 Y = -721799 Z = 822082	28 32 16	LAT. = 28 16 25.9 LONG. = - 28 10 48.4 RAD. = 1735498.4	2.2 3.9 30.3
5612J	X = 1346825 Y = -735299 Z = 810862	28 32 16	LAT. = 27 51 12.0 LONG. = - 28 37 56.4 RAD. = 1735540.4	2.1 3.9 30.2
9612J	X = 1347854 Y = -736067 Z = 808421	41 32 20	LAT. = 27 45 45.1 LONG. = - 28 38 20.8 RAD. = 1735525.7	2.0 4.3 42.0
9613A	X = 1356044 Y = -741364 Z = 789797	39 32 24	LAT. = 27 4 7.9 LONG. = - 28 39 57.2 RAD. = 1735584.5	1.9 4.3 42.0

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D6131	X = 1356067 Y = -741346 Z = 789791	23 30 15	LAT. = 27 4 6.6 LONG. = - 28 39 53.7 RAD. = 1735592.7	1.5 3.7 27.5
E5907	X = 1364984 Y = -725876 Z = 788766	24 30 16	LAT. = 27 1 50.8 LONG. = - 28 0 11.9 RAD. = 1735577.0	1.5 3.7 28.3
D6133	X = 1363113 Y = -749058 Z = 770289	24 31 20	LAT. = 26 20 48.3 LONG. = - 28 47 22.8 RAD. = 1735657.9	1.8 3.7 29.7
E5909	X = 1377579 Y = -732178 Z = 769652	23 30 16	LAT. = 26 19 25.2 LONG. = - 28 4 36.9 RAD. = 1735633.4	1.5 3.7 27.7
67061	X = 1370799 Y = -745066 Z = 760588	23 30 15	LAT. = 25 59 20.4 LONG. = - 28 31 30.9 RAD. = 1735715.2	1.5 3.7 27.6
67051	X = 1382348 Y = -737834 Z = 746540	25 31 18	LAT. = 25 28 28.9 LONG. = - 28 5 28.6 RAD. = 1735686.3	1.7 3.8 30.5
E591A	X = 1381342 Y = -744033 Z = 742297	25 31 24	LAT. = 25 19 9.3 LONG. = - 28 18 29.7 RAD. = 1735711.9	2.2 3.8 31.5
E5911	X = 1381361 Y = -744051 Z = 742289	24 31 18	LAT. = 25 19 7.1 LONG. = - 28 18 30.6 RAD. = 1735730.8	1.6 3.7 29.3
E5922	X = 1375036 Y = -756466 Z = 741553	25 32 23	LAT. = 25 17 28.7 LONG. = - 28 49 1.4 RAD. = 1735761.1	2.1 3.8 31.7
6706C	X = 1382344 Y = -751400 Z = 733073	27 32 16	LAT. = 24 58 55.5 LONG. = - 28 31 37.8 RAD. = 1735762.7	1.9 3.7 30.4
67063	X = 1383376 Y = -749652 Z = 732894	24 31 15	LAT. = 24 58 32.5 LONG. = - 28 27 11.8 RAD. = 1735754.1	1.5 3.6 28.0
E5902	X = 1336602 Y = -693699 Z = 862395	29 32 17	LAT. = 29 47 55.9 LONG. = - 27 25 45.8 RAD. = 1735352.6	2.2 4.0 31.2

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E5905	X = 1356619 Y = -712891 Z = 814533	27 32 17	LAT. = 27 59 4.9 LONG. = - 27 43 17.5 RAD. = 1735444.4	1.8 3.9 31.3
6702J	X = 1392329 Y = -718298 Z = 746977	27 32 16	LAT. = 25 29 28.0 LONG. = - 27 17 20.7 RAD. = 1735657.3	2.1 3.7 30.1
D610A	X = 1337998 Y = -663147 Z = 883913	29 32 16	LAT. = 30 37 18.4 LONG. = - 26 21 51.2 RAD. = 1735311.0	2.3 3.9 30.7
86158	X = 1346780 Y = -672562 Z = 863473	30 32 16	LAT. = 29 50 17.8 LONG. = - 26 32 12.7 RAD. = 1735437.5	2.1 3.9 32.6
D6107	X = 1371803 Y = -591921 Z = 806968	25 30 16	LAT. = 27 42 34.4 LONG. = - 26 45 57.0 RAD. = 1735452.3	1.6 3.7 28.5
D6111	X = 1388592 Y = -704922 Z = 766231	23 30 16	LAT. = 26 11 55.4 LONG. = - 26 54 53.0 RAD. = 1735572.2	1.5 3.6 27.8
86099	X = 1400188 Y = -637368 Z = 760935	23 30 17	LAT. = 26 0 17.7 LONG. = - 26 8 49.0 RAD. = 1735517.0	1.6 3.5 27.8
Y3067	X = 1406827 Y = -687396 Z = 748580	26 30 15	LAT. = 25 33 6.6 LONG. = - 26 2 26.8 RAD. = 1735525.0	1.8 3.6 28.8
95554	X = 1412872 Y = -695575 Z = 729681	25 31 23	LAT. = 24 51 37.5 LONG. = - 26 12 41.8 RAD. = 1735645.5	2.1 3.8 30.9
86089	X = 1340848 Y = -646699 Z = 891562	28 31 16	LAT. = 30 55 3.3 LONG. = - 25 44 53.8 RAD. = 1735216.0	2.2 3.8 29.3
86072	X = 1365404 Y = -650329 Z = 851065	24 30 15	LAT. = 29 22 5.0 LONG. = - 25 28 4.9 RAD. = 1735386.9	1.7 3.7 27.6
86094	X = 1374044 Y = -661607 Z = 828137	24 30 14	LAT. = 28 30 11.7 LONG. = - 25 42 39.6 RAD. = 1735376.4	1.5 3.7 27.0

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TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66957	X = 1377681 Y = -671047 Z = 814375	28 31 16	LAT. = 27 59 15.2 LONG. = - 25 58 11.9 RAD. = 1735372.1	2.1 3.8 29.6
86097	X = 1386608 Y = -674614 Z = 796330	23 30 15	LAT. = 27 18 46.5 LONG. = - 25 56 38.1 RAD. = 1735490.8	1.5 3.7 27.2
E608F	X = 1397426 Y = -652570 Z = 795759	27 31 18	LAT. = 27 17 31.1 LONG. = - 25 1 53.8 RAD. = 1735476.4	1.8 3.8 30.8
86086	X = 1397411 Y = -652567 Z = 795751	24 29 15	LAT. = 27 17 31.0 LONG. = - 25 1 54.3 RAD. = 1735460.0	1.5 3.6 27.5
66892	X = 1403939 Y = -656174 Z = 781127	27 30 15	LAT. = 26 45 .8 LONG. = - 25 3 1.7 RAD. = 1735444.9	1.6 3.7 29.9
66960	X = 1399916 Y = -675846 Z = 771606	24 30 15	LAT. = 26 23 53.2 LONG. = - 25 46 12.5 RAD. = 1735485.4	1.5 3.6 27.9
86088	X = 1411136 Y = -667588 Z = 758259	26 30 22	LAT. = 25 54 25.5 LONG. = - 25 19 5.3 RAD. = 1735493.1	2.0 3.7 31.5
66962	X = 1409062 Y = -680063 Z = 751019	24 30 16	LAT. = 25 38 29.3 LONG. = - 25 45 49.0 RAD. = 1735502.7	1.5 3.6 27.9
95543	X = 1420720 Y = -675714 Z = 732985	23 30 15	LAT. = 24 58 53.0 LONG. = - 25 26 11.0 RAD. = 1735598.5	1.5 3.6 26.9
86080	X = 1368799 Y = -626127 Z = 863663	27 30 15	LAT. = 29 50 47.4 LONG. = - 24 34 50.5 RAD. = 1735385.1	2.0 3.8 29.2
86084	X = 1389753 Y = -639458 Z = 819319	24 29 15	LAT. = 28 10 19.6 LONG. = - 24 42 29.8 RAD. = 1735397.0	1.6 3.7 27.4
D5951	X = 1405387 Y = -627485 Z = 801763	37 31 25	LAT. = 27 30 58.5 LONG. = - 24 3 36.3 RAD. = 1735417.4	1.9 4.2 41.3

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

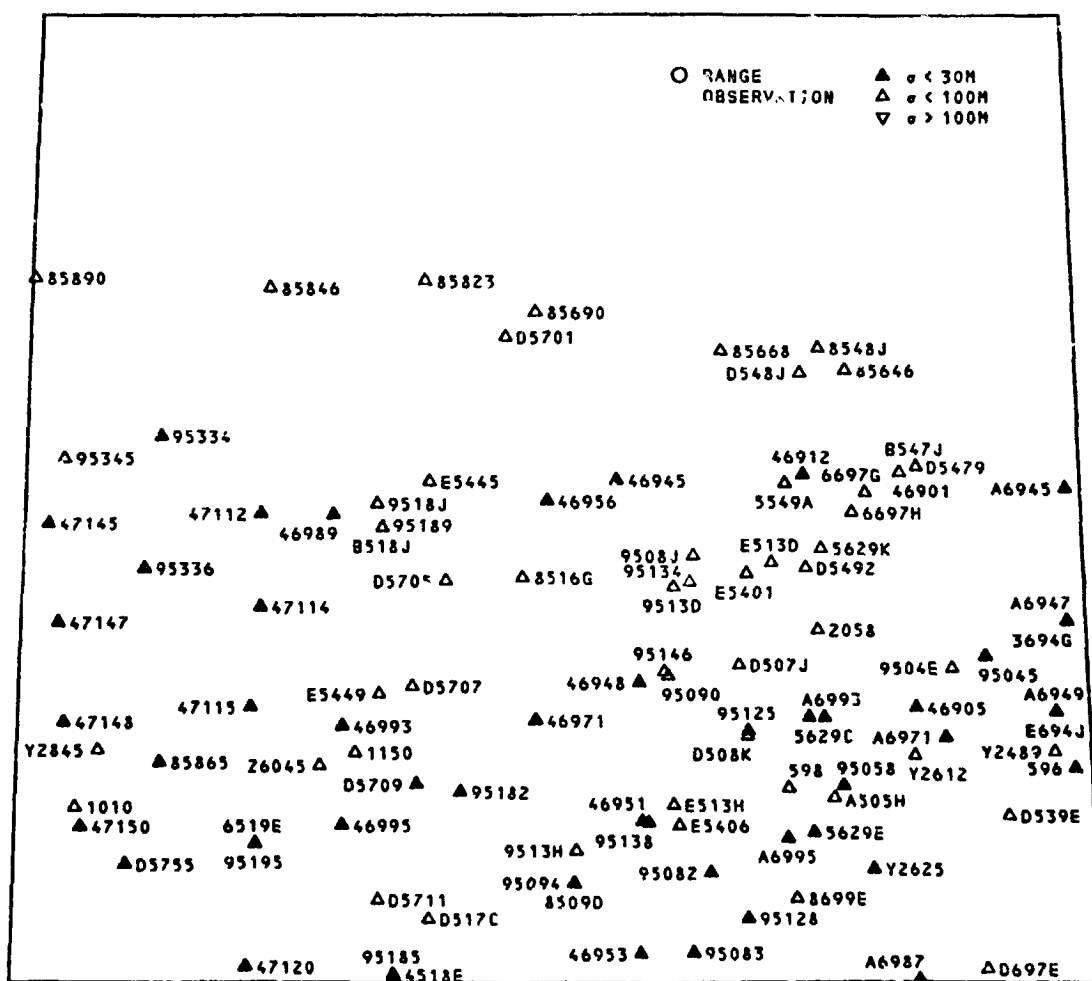
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D5954	X = 1422180 Y = -640550 Z = 760911	25 30 23	LAT. = 26 0 16.8 LONG. = - 24 14 48.5 RAD. = 1735478.9	2.1 3.7 30.8
66894	X = 1414685 Y = -657690 Z = 760246	24 29 14	LAT. = 25 58 49.2 LONG. = - 24 56 1.8 RAD. = 1735471.8	1.5 3.6 27.6
1156	X = 1421263 Y = -657649 Z = 747939	35 31 21	LAT. = 25 31 44.5 LONG. = - 24 49 51.6 RAD. = 1735484.0	1. 4.0 37.8
66885	X = 1426663 Y = -661642 Z = 734114	23 29 15	LAT. = 25 1 24.9 LONG. = - 24 52 49.5 RAD. = 1735529.2	1.4 3.5 26.7
86057	X = 1376966 Y = -591843 Z = 874408	25 30 15	LAT. = 30 15 36.0 LONG. = - 23 15 31.8 RAD. = 1735195.7	1.9 3.7 27.8
D5949	X = 1395259 Y = -614869 Z = 829329	27 31 17	LAT. = 28 32 33.1 LONG. = - 23 46 56.5 RAD. = 1735683.3	1.8 3.8 30.6
86050	X = 1404739 Y = -599990 Z = 823709	24 29 15	LAT. = 28 20 8.9 LONG. = - 23 7 41.6 RAD. = 1735446.8	1.6 3.6 27.0
66860	X = 1428035 Y = -607920 Z = 776432	23 29 14	LAT. = 26 34 37.6 LONG. = - 23 3 34.8 RAD. = 1735424.5	1.4 3.5 26.3
86054	X = 1424714 Y = -625430 Z = 768830	23 29 16	LAT. = 26 17 42.2 LONG. = - 23 42 2.9 RAD. = 1735532.3	1.5 3.6 27.4
66850	X = 1438204 Y = -610507 Z = 755632	22 29 14	LAT. = 25 48 35.3 LONG. = - 23 0 3.1 RAD. = 1735548.1	1.4 3.5 25.9
95398	X = 1444419 Y = -635374 Z = 722466	23 29 16	LAT. = 24 36 .7 LONG. = - 23 44 37.3 RAD. = 1735512.5	1.5 3.5 26.8
95399	X = 1450922 Y = -634486 Z = 710245	23 30 22	LAT. = 24 9 23.1 LONG. = - 23 37 10.8 RAD. = 1735567.3	2.0 3.6 29.3

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
86045	X = 1376392 Y = -575943 Z = 885893	29 31 16	LAT. = 30 41 58.8 LONG. = - 22 42 23.8 RAD. = 1735215.2	2.3 3.9 29.9
95391	X = 1413320 Y = -586262 Z = 818650	23 29 14	LAT. = 28 8 53.8 LONG. = - 22 31 45.3 RAD. = 1735327.8	1.5 3.6 26.1
47189	X = 1423494 Y = -588390 Z = 799490	23 29 14	LAT. = 27 25 53.1 LONG. = - 22 27 26.5 RAD. = 1735431.1	1.5 3.6 26.2
47191	X = 1438552 Y = -589338 Z = 771409	23 29 15	LAT. = 26 23 28.5 LONG. = - 22 16 39.6 RAD. = 1735460.8	1.4 3.5 26.4
47194	X = 1456113 Y = -592068 Z = 735461	23 29 17	LAT. = 25 4 27.2 LONG. = - 22 7 37.4 RAD. = 1735428.9	1.5 3.5 28.0
95387	X = 1459658 Y = -612003 Z = 711841	22 29 15	LAT. = 24 12 56.1 LONG. = - 22 44 50.1 RAD. = 1735473.5	1.5 3.5 26.2
47196	X = 1468771 Y = -594323 Z = 708049	22 29 15	LAT. = 24 4 42.6 LONG. = - 22 1 48.7 RAD. = 1735465.4	1.4 3.4 25.8
86013	X = 1397666 Y = -540640 Z = 874667	27 30 15	LAT. = 30 16 13.6 LONG. = - 21 8 50.2 RAD. = 1735167.5	2.1 3.7 28.9
86015	X = 1410084 Y = -553234 Z = 846565	26 29 15	LAT. = 29 12 1.1 LONG. = - 21 25 19.6 RAD. = 1735245.6	1.8 3.7 28.3
95389	X = 1408133 Y = -568123 Z = 840160	24 29 14	LAT. = 28 57 22.5 LONG. = - 21 58 19.3 RAD. = 1735358.9	1.7 3.6 27.0
47178	X = 1435896 Y = -557109 Z = 799562	24 29 15	LAT. = 27 26 7.3 LONG. = - 21 12 20.2 RAD. = 1735358.0	1.5 3.6 27.1
47180	X = 1451381 Y = -562879 Z = 768253	23 29 15	LAT. = 26 16 .7 LONG. = - 21 11 50.8 RAD. = 1735958.8	1.5 3.5 26.9

TERRAIN POINTS ON MAP SHEET 40A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
47182	X = 1455113 Y = -575794 Z = 751604	24 30 23	LAT. = 25 39 16.4 LONG. = - 21 35 20.0 RAD. = 1736029.8	2.1 3.7 30.2
Y2889	X = 1451163 Y = -584688 Z = 751258	26 29 15	LAT. = 25 38 58.4 LONG. = - 21 56 42.0 RAD. = 1735547.2	1.8 3.5 27.9
8088J	X = 1403143 Y = -513352 Z = 882356	29 30 16	LAT. = 30 33 51.7 LONG. = - 20 5 43.7 RAD. = 1735192.0	2.3 3.8 29.7
85893	X = 1430254 Y = -531737 Z = 826213	23 29 14	LAT. = 28 26 1.5 LONG. = - 20 23 38.5 RAD. = 1735222.7	1.6 3.6 26.0
2064	X = 1434517 Y = -534390 Z = 816940	26 30 17	LAT. = 28 5 13.7 LONG. = - 20 25 53.4 RAD. = 1735166.3	1.7 3.7 29.8
66805	X = 1459246 Y = -542313 Z = 767198	25 30 16	LAT. = 26 14 5.5 LONG. = - 20 23 13.4 RAD. = 1735538.7	1.6 3.6 28.8
66806	X = 1467428 Y = -537792 Z = 754487	22 28 14	LAT. = 25 46 9.3 LONG. = - 20 7 37.9 RAD. = 1735458.2	1.4 3.5 25.5
3089J	X = 1466664 Y = -553211 Z = 746267	24 30 24	LAT. = 25 27 29.2 LONG. = - 20 39 57.5 RAD. = 1736105.3	2.3 3.7 29.8
35899	X = 1466680 Y = -553238 Z = 746200	22 29 16	LAT. = 25 27 20.8 LONG. = - 20 40 .0 RAD. = 1736097.8	1.5 3.5 26.8
66810	X = 1484260 Y = -554144 Z = 708281	22 28 15	LAT. = 24 5 14.0 LONG. = - 20 28 22.7 RAD. = 1735443.7	1.5 3.4 26.0



MAP SHEET 40B

TERRAIN POINTS ON MAP SHEET 40B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
85890	X = 1414787 Y = -514315 Z = 862962	28 30 16	LAT. = 29 49 25.4 LONG. = - 19 58 39.5 RAD. = 1735178.7	2.1 3.8 29.7
95345	X = 1438421 Y = -513298 Z = 823500	25 29 14	LAT. = 28 20 .8 LONG. = - 19 38 19.9 RAD. = 1735131.6	1.7 3.6 27.1
47145	X = 1444517 Y = -519378 Z = 809138	23 28 14	LAT. = 27 47 38.7 LONG. = - 19 46 34.0 RAD. = 1735248.8	1.5 3.5 25.7
47147	X = 1456542 Y = -520061 Z = 787225	23 28 14	LAT. = 26 58 34.4 LONG. = - 19 38 57.2 RAD. = 1735425.7	1.4 3.5 25.8
47148	X = 1467634 Y = -521668 Z = 764862	25 29 16	LAT. = 26 9 12.8 LONG. = - 19 34 3.6 RAD. = 1735252.8	1.5 3.6 28.1
Y2845	X = 1473433 Y = -514369 Z = 758533	27 29 15	LAT. = 25 55 18.1 LONG. = - 19 14 37.9 RAD. = 1735209.3	2.0 3.6 28.4
1010	X = 1477507 Y = -521463 Z = 745700	34 30 21	LAT. = 25 27 4.2 LONG. = - 19 26 22.9 RAD. = 1735228.5	1.8 3.9 36.8
47150	X = 1479961 Y = -520811 Z = 741233	22 28 15	LAT. = 25 17 17.6 LONG. = - 19 23 14.7 RAD. = 1735210.5	1.4 3.4 25.5
95334	X = 1443986 Y = -489479 Z = 828408	24 28 14	LAT. = 28 30 59.3 LONG. = - 18 43 31.9 RAD. = 1735207.3	1.6 3.5 26.1
95336	X = 1457639 Y = -497963 Z = 799202	24 28 15	LAT. = 27 25 20.2 LONG. = - 18 51 40.9 RAD. = 1735330.4	1.5 3.5 27.1
85865	X = 1479733 Y = -500028 Z = 755737	22 28 14	LAT. = 25 49 11.5 LONG. = - 18 40 15.6 RAD. = 1735158.8	1.4 3.5 25.4
D5755	X = 1487534 Y = -511349 Z = 732576	22 28 14	LAT. = 24 58 21.7 LONG. = - 18 58 14.6 RAD. = 1735195.6	1.4 3.4 25.3

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
85846	X = 1435124 Y = -458450 Z = 860736	25 29 15	LAT. = 29 44 24.9 LONG. = - 17 42 57.9 RAD. = 1735114.9	1.9 3.6 26.9
47112	X = 1460804 Y = -468139 Z = 811309	23 28 14	LAT. = 27 52 26.3 LONG. = - 17 46 8.2 RAD. = 1735316.9	1.5 3.5 25.5
46989	X = 1466537 Y = -450531 Z = 811074	25 28 14	LAT. = 27 51 50.5 LONG. = - 17 4 38.4 RAD. = 1735381.5	1.7 3.5 26.4
47114	X = 1471078 Y = -471009 Z = 790560	22 28 14	LAT. = 27 6 13.4 LONG. = - 17 45 14.4 RAD. = 1735195.6	1.4 3.5 25.5
47115	X = 1481124 Y = -476498 Z = 768115	23 28 14	LAT. = 26 16 29.3 LONG. = - 17 50 1.4 RAD. = 1735159.4	1.4 3.4 25.9
25045	X = 1492577 Y = -461375 Z = 754899	27 29 15	LAT. = 25 47 25.1 LONG. = - 17 10 37.4 RAD. = 1735086.2	2.0 3.5 28.2
6519E	X = 1495728 Y = -479517 Z = 737285	25 29 18	LAT. = 25 8 42.5 LONG. = - 17 46 31.4 RAD. = 1735145.6	1.7 3.6 29.1
95195	X = 1495788 Y = -479381 Z = 737203	23 28 16	LAT. = 25 8 32.8 LONG. = - 17 46 12.0 RAD. = 1735124.3	1.5 3.5 26.6
47120	X = 1507507 Y = -485158 Z = 709281	22 28 16	LAT. = 24 7 35.4 LONG. = - 17 50 22.6 RAD. = 1735233.4	1.5 3.4 26.1
85823	X = 1445870 Y = -420665 Z = 862217	33 30 16	LAT. = 29 47 42.0 LONG. = - 16 13 19.1 RAD. = 1735199.5	2.5 3.7 32.5
E5445	X = 1469656 Y = -426031 Z = 818446	29 30 16	LAT. = 28 8 28.6 LONG. = - 16 9 57.9 RAD. = 1735293.7	2.3 3.7 29.7
9518J	X = 1468457 Y = -439503 Z = 813508	29 30 16	LAT. = 27 57 22.0 LONG. = - 16 39 44.0 RAD. = 1735316.4	2.3 3.7 29.3

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95120	X = 1471463 Y = -438944 Z = 808205	25 29 15	LAT. = 27 45 33.6 LONG. = - 16 36 36.3 RAD. = 1735243.4	1.7 3.6 27.5
B518J	X = 1471530 Y = -438856 Z = 808190	40 29 16	LAT. = 27 45 30.8 LONG. = - 16 36 22.3 RAD. = 1735275.1	2.6 3.9 36.9
D5705	X = 1481822 Y = -425164 Z = 796226	26 29 17	LAT. = 27 18 57.2 LONG. = - 16 0 33.3 RAD. = 1735089.5	1.7 3.6 29.5
D5707	X = 1490963 Y = -436468 Z = 772583	26 29 19	LAT. = 26 26 29.2 LONG. = - 16 19 1.2 RAD. = 1735038.8	1.7 3.6 29.6
E5449	X = 1489407 Y = -444744 Z = 770966	42 30 18	LAT. = 26 22 51.9 LONG. = - 16 37 33.1 RAD. = 1735085.1	2.2 4.0 41.7
46993	X = 1490138 Y = -454750 Z = 763789	22 28 14	LAT. = 26 6 57.8 LONG. = - 16 58 14.8 RAD. = 1735131.8	1.4 3.4 25.6
1150	X = 1493867 Y = -452374 Z = 757775	25 29 16	LAT. = 25 53 45.3 LONG. = - 16 50 50.6 RAD. = 1735080.6	1.6 3.6 28.1
D5709	X = 1501608 Y = -438431 Z = 750524	22 28 14	LAT. = 25 37 51.0 LONG. = - 16 16 35.2 RAD. = 1735031.8	1.5 3.4 25.2
46995	X = 1500527 Y = -457713 Z = 741345	22 28 15	LAT. = 25 17 36.9 LONG. = - 16 57 48.7 RAD. = 1735129.8	1.4 3.4 25.5
D5711	X = 1510731 Y = -451131 Z = 724487	24 29 23	LAT. = 24 40 45.4 LONG. = - 16 37 35.6 RAD. = 1735139.0	2.1 3.6 29.7
D517C	X = 1516149 Y = -439254 Z = 720172	31 30 36	LAT. = 24 31 27.8 LONG. = - 16 9 23.3 RAD. = 1735016.5	3.0 4.0 39.9
95185	X = 1519298 Y = -449384 Z = 707437	22 28 15	LAT. = 24 3 40.7 LONG. = - 16 28 38.6 RAD. = 1735131.3	1.4 3.4 25.7

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4510E	X = 1519513 Y = -449412 Z = 707070	30 29 29	LAT. = 24 2 50.4 LONG. = - 16 28 34.1 RAD. = 1735177.2	2.5 3.7 36.5
85690	X = 1457225 Y = -394716 Z = 855532	29 29 16	LAT. = 29 32 21.2 LONG. = - 15 9 21.3 RAD. = 1735292.8	2.2 3.7 29.4
D5701	X = 1458112 Y = -402815 Z = 850079	29 30 16	LAT. = 29 20 1.8 LONG. = - 15 26 35.6 RAD. = 1735218.7	2.2 3.7 29.4
46956	X = 1479762 Y = -397959 Z = 813967	23 27 14	LAT. = 27 58 36.7 LONG. = - 15 3 9.6 RAD. = 1735111.2	1.5 3.5 24.9
8516G	X = 1486709 Y = -406242 Z = 796929	33 34 23	LAT. = 27 20 33.1 LONG. = - 15 16 58.6 RAD. = 1735059.7	1.9 3.9 40.7
46971	X = 1503042 Y = -407396 Z = 764916	23 27 14	LAT. = 26 9 35.1 LONG. = - 15 9 55.9 RAD. = 1734993.3	1.4 3.4 25.6
95182	X = 1505472 Y = -427937 Z = 748793	23 28 15	LAT. = 25 34 3.8 LONG. = - 15 52 5.0 RAD. = 1735012.4	1.4 3.4 26.2
46945	X = 1481842 Y = -380182 Z = 818577	23 27 14	LAT. = 28 9 .6 LONG. = - 14 23 22.1 RAD. = 1735068.3	1.6 3.5 24.8
46948	X = 1505829 Y = -380788 Z = 773533	22 27 14	LAT. = 26 28 26.5 LONG. = - 14 11 28.5 RAD. = 1735186.6	1.4 3.4 25.3
46951	X = 1520492 Y = -383929 Z = 742233	22 27 15	LAT. = 25 19 41.2 LONG. = - 14 10 16.2 RAD. = 1734995.2	1.5 3.4 25.6
95138	X = 1520993 Y = -382430 Z = 741996	22 27 14	LAT. = 25 19 9.7 LONG. = - 14 6 48.9 RAD. = 1735002.0	1.4 3.3 24.5
9513H	X = 1519281 Y = -401056 Z = 735599	26 29 17	LAT. = 25 5 10.1 LONG. = - 14 47 14.8 RAD. = 1734983.1	1.7 3.5 29.3

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TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95094	X = 1522451 Y = -402558 Z = 728233	24 28 16	LAT. = 24 49 3.1 LONG. = - 14 48 39.2 RAD. = 1735002.7	1.5 3.4 27.3
8509D	X = 1522509 Y = -402465 Z = 728244	31 29 38	LAT. = 24 49 2.8 LONG. = - 14 48 25.4 RAD. = 1735036.0	3.2 3.8 41.1
46953	X = 1533781 Y = -388021 Z = 712240	21 27 15	LAT. = 24 14 11.8 LONG. = - 14 11 49.2 RAD. = 1735030.4	1.4 3.3 24.6
85668	X = 1473221 Y = -350451 Z = 847066	32 30 15	LAT. = 29 13 16.3 LONG. = - 13 22 51.2 RAD. = 1735141.8	2.4 3.7 32.0
9508J	X = 1495096 Y = -363722 Z = 801867	48 30 20	LAT. = 27 31 31.7 LONG. = - 13 40 23.3 RAD. = 1735107.3	4.0 3.7 40.7
E5401	X = 1500554 Y = -351277 Z = 798053	39 38 17	LAT. = 27 22 36.7 LONG. = - 13 10 32.0 RAD. = 1735496.0	2.9 4.3 40.4
95134	X = 1497994 Y = -365496 Z = 796051	29 29 16	LAT. = 27 18 20.8 LONG. = - 13 42 42.1 RAD. = 1735301.2	2.2 3.6 29.1
9513D	X = 1497452 Y = -369533 Z = 794873	29 29 16	LAT. = 27 15 52.7 LONG. = - 13 51 43.9 RAD. = 1735148.7	2.3 3.6 29.1
D507J	X = 1508134 Y = -355257 Z = 776651	33 33 23	LAT. = 26 37 21.3 LONG. = - 13 15 17.9 RAD. = 1733165.2	1.9 4.0 40.1
95146	X = 1506379 Y = -374310 Z = 776089	28 29 16	LAT. = 26 33 53.6 LONG. = - 13 57 16.0 RAD. = 1735396.0	2.0 3.6 29.1
95090	X = 1507160 Y = -373526 Z = 775195	33 31 23	LAT. = 26 31 48.4 LONG. = - 13 55 9.9 RAD. = 1735505.3	1.9 3.7 39.1
95125	X = 1518009 Y = -355605 Z = 762907	22 27 14	LAT. = 26 4 25.0 LONG. = - 13 11 3.2 RAD. = 1735751.0	1.5 3.4 24.8

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D508K	X = 1518323 Y = -355838 Z = 761806	31 33 25	LAT. = 26 2 8.7 LONG. = - 13 11 23.8 RAD. = 1735590.8	2.0 3.9 39.1
E513H	X = 1520700 Y = -375752 Z = 745973	27 29 17	LAT. = 25 27 53.6 LONG. = - 13 52 45.5 RAD. = 1734990.8	1.7 3.6 29.5
E5406	X = 1523186 Y = -374997 Z = 741321	34 34 22	LAT. = 25 17 40.1 LONG. = - 13 49 50.7 RAD. = 1735014.2	1.9 3.9 40.6
95082	X = 1529865 Y = -368671 Z = 730622	22 27 14	LAT. = 24 54 16.5 LONG. = - 13 32 56.3 RAD. = 1734996.8	1.4 3.3 25.0
95128	X = 1536716 Y = -360722 Z = 720283	21 27 14	LAT. = 24 31 40.1 LONG. = - 13 12 36.7 RAD. = 1735056.9	1.3 3.3 24.3
95083	X = 1536931 Y = -375057 Z = 712390	22 27 17	LAT. = 24 14 31.5 LONG. = - 13 42 49.9 RAD. = 1735029.1	1.6 3.4 26.1
8548J	X = 1478331 Y = -326402 Z = 847646	49 29 18	LAT. = 29 14 39.3 LONG. = - 12 27 2.2 RAD. = 1735080.7	3.6 4.0 41.6
85646	X = 1482484 Y = -320401 Z = 842758	29 29 16	LAT. = 29 3 31.2 LONG. = - 12 11 43.6 RAD. = 1735124.6	2.2 3.7 29.5
D548J	X = 1480215 Y = -331606 Z = 842183	29 29 16	LAT. = 29 2 20.3 LONG. = - 12 37 38.1 RAD. = 1735013.3	2.3 3.7 28.5
46912	X = 1492155 Y = -334175 Z = 819778	25 27 14	LAT. = 28 11 46.6 LONG. = - 12 37 24.1 RAD. = 1735003.3	1.8 3.5 26.1
5549A	X = 1492185 Y = -338821 Z = 817826	39 32 17	LAT. = 28 7 23.0 LONG. = - 12 47 34.3 RAD. = 1735008.9	3.0 3.8 37.6
6697G	X = 1497518 Y = -319299 Z = 815761	46 28 18	LAT. = 28 2 49.8 LONG. = - 12 2 10.6 RAD. = 1734928.9	3.6 3.9 39.4

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6697H	X = 1499293 Y = -323326 Z = 811458	29 28 16	LAT. = 27 52 54.3 LONG. = - 12 10 10.5 RAD. = 1735189.7	2.2 3.6 28.4
5629K	X = 1501532 Y = -331862 Z = 803405	27 28 15	LAT. = 27 35 5.1 LONG. = - 12 27 46.5 RAD. = 1734990.3	1.9 3.6 27.8
E513D	X = 1500454 Y = -344745 Z = 800324	29 29 16	LAT. = 27 28 2.5 LONG. = - 12 56 23.1 RAD. = 1735145.7	2.2 3.7 29.3
D5492	X = 1502916 Y = -336332 Z = 799190	27 28 17	LAT. = 27 25 33.2 LONG. = - 12 36 51.0 RAD. = 1735102.5	1.7 3.6 29.6
2058	X = 1510972 Y = -335299 Z = 785604	26 28 18	LAT. = 26 54 42.0 LONG. = - 12 30 42.2 RAD. = 1735694.7	1.7 3.6 29.5
A6993	X = 1519694 Y = -339966 Z = 765862	23 27 14	LAT. = 26 11 17.0 LONG. = - 12 36 35.4 RAD. = 1735394.0	1.4 3.4 25.6
5629C	X = 1520463 Y = -336175 Z = 765745	25 28 16	LAT. = 26 11 8.4 LONG. = - 12 28 3.1 RAD. = 1735276.9	1.6 3.5 27.8
95058	X = 1528501 Y = -333386 Z = 750183	23 27 14	LAT. = 25 37 7.5 LONG. = - 12 18 15.4 RAD. = 1735003.2	1.4 3.4 25.9
598	X = 1525779 Y = -346960 Z = 749792	34 29 20	LAT. = 25 36 10.6 LONG. = - 12 48 40.0 RAD. = 1735099.4	1.8 3.8 36.5
A505H	X = 1529038 Y = -335791 Z = 747393	33 28 21	LAT. = 25 31 15.1 LONG. = - 12 23 9.9 RAD. = 1734735.6	1.8 3.7 36.3
5629E	X = 1531726 Y = -341908 Z = 739743	24 28 18	LAT. = 25 14 12.2 LONG. = - 12 34 59.3 RAD. = 1735023.0	1.6 3.5 27.9
A6995	X = 1530870 Y = -348521 Z = 738433	24 27 17	LAT. = 25 11 19.9 LONG. = - 12 49 31.7 RAD. = 1735025.0	1.5 3.4 27.5

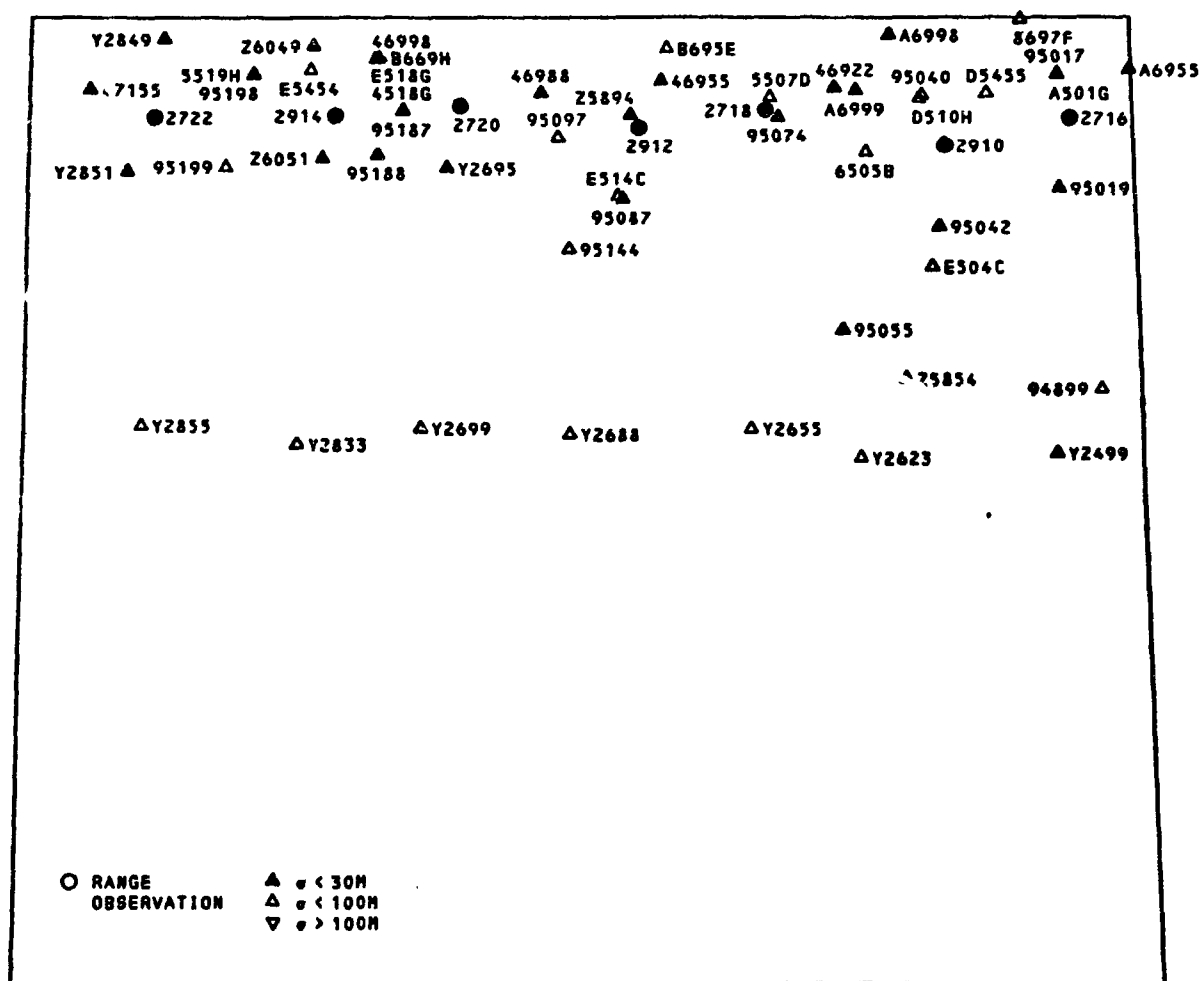
TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2625	X = 1538661 Y = -328168 Z = 731513	25 27 14	LAT. = 24 56 12.2 LONG. = - 12 2 23.1 RAD. = 1735017.0	1.6 3.4 26.3
8699E	X = 1537508 Y = -348058 Z = 724804	24 28 24	LAT. = 24 41 31.4 LONG. = - 12 45 19.9 RAD. = 1735055.2	2.2 3.5 29.7
B547J	X = 1497231 Y = -305758 Z = 821492	27 28 16	LAT. = 28 15 41.6 LONG. = - 11 32 31.2 RAD. = 1734946.3	2.1 3.6 27.3
D5479	X = 1497256 Y = -305775 Z = 821468	26 27 15	LAT. = 28 15 37.4 LONG. = - 11 32 32.7 RAD. = 1734959.4	1.8 3.5 26.2
46901	X = 1497025 Y = -310149 Z = 820200	26 27 15	LAT. = 28 12 47.9 LONG. = - 11 42 17.2 RAD. = 1734936.6	1.9 3.5 26.2
9504E	X = 1521542 Y = -302832 Z = 776789	29 29 16	LAT. = 26 35 50.7 LONG. = - 11 15 23.3 RAD. = 1734991.8	2.3 3.6 28.8
46905	X = 1524127 Y = -313051 Z = 767883	22 27 14	LAT. = 26 16 1.5 LONG. = - 11 36 25.1 RAD. = 1735110.5	1.4 3.4 24.9
A6971	X = 1528668 Y = -306619 Z = 761319	22 26 14	LAT. = 26 1 34.8 LONG. = - 11 20 30.6 RAD. = 1735064.1	1.4 3.3 24.4
Y2612	X = 1529121 Y = -314735 Z = 757182	26 27 15	LAT. = 25 52 25.4 LONG. = - 11 37 50.2 RAD. = 1735106.5	1.9 3.4 26.3
D697E	X = 1554526 Y = -302814 Z = 708739	24 28 21	LAT. = 24 6 32.1 LONG. = - 11 1 22.5 RAD. = 1735096.4	2.0 3.5 28.7
A6987	X = 1552183 Y = -319903 Z = 706253	21 26 14	LAT. = 24 1 10.8 LONG. = - 11 38 43.9 RAD. = 1735051.0	1.3 3.3 23.6
A6945	X = 1506649 Y = -269493 Z = 816738	23 26 14	LAT. = 28 5 7.0 LONG. = - 10 8 28.4 RAD. = 1734842.5	1.6 3.4 24.5

TERRAIN POINTS ON MAP SHEET 40B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6947	X = 1521607 Y = -273055 Z = 787372	23 26 13	LAT. = 26 59 27.1 LONG. = - 10 10 24.7 RAD. = 1734878.1	1.5 3.3 24.4
3694G	X = 1521720 Y = -272961 Z = 787149	39 29 16	LAT. = 26 58 58.4 LONG. = - 10 10 9.7 RAD. = 1734861.5	2.4 4.0 36.2
95045	X = 1521885 Y = -294227 Z = 779349	24 27 14	LAT. = 26 41 33.1 LONG. = - 10 56 31.3 RAD. = 1734960.9	1.6 3.4 25.9
A6949	X = 1531074 Y = -278607 Z = 767035	24 27 15	LAT. = 26 14 16.7 LONG. = - 10 18 47.4 RAD. = 1734979.3	1.5 3.4 26.1
E694J	X = 1531078 Y = -278546 Z = 766953	28 28 16	LAT. = 26 14 8.4 LONG. = - 10 18 39.3 RAD. = 1734936.4	2.0 3.6 29.1
Y2489	X = 1535317 Y = -280095 Z = 758017	27 27 15	LAT. = 25 54 21.6 LONG. = - 10 20 20.5 RAD. = 1735004.5	2.0 3.4 26.9
596	X = 1537967 Y = -275373 Z = 754356	24 27 16	LAT. = 25 46 18.3 LONG. = - 10 9 4.5 RAD. = 1735000.1	1.6 3.4 26.9
D539E	X = 1540004 Y = -293063 Z = 743655	25 28 18	LAT. = 25 22 43.2 LONG. = - 10 46 28.4 RAD. = 1735085.1	1.7 3.5 28.6

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MAP SHEET 40C

TERRAIN POINTS ON MAP SHEET 40C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
47155	X = 1501768 Y = -530378 Z = 689335	22 28 17	LAT. = 23 24 13.5 LONG. = - 19 27 5.9 RAD. = 1735450.8	1.6 3.4 26.3
Y2851	X = 1512627 Y = -523870 Z = 670484	23 28 16	LAT. = 22 43 34.9 LONG. = - 19 6 9.3 RAD. = 1735519.7	1.5 3.4 27.5
Y2849	X = 1502927 Y = -511333 Z = 700850	24 28 15	LAT. = 23 49 12.4 LONG. = - 18 47 22.4 RAD. = 1735350.6	1.5 3.4 27.5
2722	X = 1509634 Y = -515853 Z = 682953	21 29 15	LAT. = 23 10 31.6 LONG. = - 18 51 56.5 RAD. = 1735374.7	1.6 3.5 24.9
95199	X = 1520219 Y = -500114 Z = 671507	24 29 24	LAT. = 22 45 45.7 LONG. = - 18 12 35.7 RAD. = 1735540.5	2.2 3.6 29.7
Y2855	X = 1536316 Y = -527268 Z = 611414	22 28 20	LAT. = 20 37 38.8 LONG. = - 18 56 32.5 RAD. = 1735541.5	1.9 3.4 27.6
Z6049	X = 1515234 Y = -475657 Z = 699274	25 29 16	LAT. = 23 45 51.9 LONG. = - 17 25 40.6 RAD. = 1735271.6	1.6 3.5 28.2
E5454	X = 1517361 Y = -477049 Z = 693757	25 29 23	LAT. = 23 33 54.5 LONG. = - 17 27 10.2 RAD. = 1735298.0	2.1 3.6 29.9
5519H	X = 1513423 Y = -490950 Z = 692745	23 29 23	LAT. = 23 31 41.5 LONG. = - 17 58 22.5 RAD. = 1735332.4	2.1 3.5 28.7
95198	X = 1513493 Y = -490844 Z = 692624	22 28 16	LAT. = 23 31 26. LONG. = - 17 58 6.6 RAD. = 1735314.9	1.5 3.4 25.8
2914	X = 1523597 Y = -472307 Z = 683295	21 29 15	LAT. = 23 11 18.9 LONG. = - 17 13 23.4 RAD. = 1735313.7	1.6 3.5 24.6
Z6051	X = 1526706 Y = -476583 Z = 673472	24 29 17	LAT. = 22 50 7.3 LONG. = - 17 20 11.4 RAD. = 1735375.6	1.6 3.4 28.2

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2833	X = 1550304 Y = -490085 Z = 606871	22 28 20	LAT. = 20 28 4.6 LONG. = - 17 32 34.3 RAD. = 1735487.2	1.9 3.3 27.4
B669H	X = 1521261 Y = -459991 Z = 696474	23 29 22	LAT. = 23 39 52.2 LONG. = - 16 49 26.3 RAD. = 1735195.4	2.0 3.5 28.2
46998	X = 1521131 Y = -460864 Z = 696274	22 28 17	LAT. = 23 39 24.4 LONG. = - 16 51 19.7 RAD. = 1735232.6	1.6 3.4 26.0
2720	X = 1531655 Y = -441748 Z = 685427	21 28 15	LAT. = 23 16 .6 LONG. = - 16 5 17.6 RAD. = 1735199.6	1.6 3.4 24.3
4518G	X = 1528105 Y = -455768 Z = 684358	28 29 35	LAT. = 23 13 38.5 LONG. = - 16 36 27.3 RAD. = 1735273.6	3.2 3.7 36.6
95187	X = 1528109 Y = -455812 Z = 684300	23 28 17	LAT. = 23 13 31.3 LONG. = - 16 36 32.6 RAD. = 1735265.6	1.6 3.4 27.0
E518G	X = 1527987 Y = -455872 Z = 684171	33 30 36	LAT. = 23 13 21.9 LONG. = - 16 36 44.5 RAD. = 1735123.8	3.0 3.9 41.3
95188	X = 1530505 Y = -463129 Z = 674202	23 28 17	LAT. = 22 51 42.1 LONG. = - 16 50 8.7 RAD. = 1735361.9	1.6 3.4 27.1
Y2695	X = 1536683 Y = -446695 Z = 671063	23 28 16	LAT. = 22 45 .6 LONG. = - 16 12 30.5 RAD. = 1735297.5	1.5 3.4 27.0
Y2699	X = 1558241 Y = -459701 Z = 610677	22 28 20	LAT. = 20 36 1.9 LONG. = - 16 26 12.2 RAD. = 1735616.7	1.8 3.3 27.1
46988	X = 1536006 Y = -421421 Z = 688336	21 27 18	LAT. = 23 22 20.0 LONG. = - 15 20 32.0 RAD. = 1735141.7	1.6 3.3 25.7
95097	X = 1541337 Y = -418615 Z = 678171	25 29 21	LAT. = 23 0 23.2 LONG. = - 15 11 40.5 RAD. = 1735186.8	1.9 3.5 29.4

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95144	X = 1552484 Y = -418922 Z = 652272	24 29 24	LAT. = 22 4 45.8 LONG. = - 15 6 3.7 RAD. = 1735269.5	2.3 3.5 29.4
Y2688	X = 1568869 Y = -423377 Z = 609175	22 28 20	LAT. = 20 32 59.9 LONG. = - 15 6 7.8 RAD. = 1735422.3	1.9 3.3 26.9
B695E	X = 1539711 Y = -389655 Z = 698505	23 28 21	LAT. = 23 44 22.7 LONG. = - 14 12 6.1 RAD. = 1735065.0	2.0 3.5 27.7
46955	X = 1542462 Y = -392019 Z = 691040	21 27 18	LAT. = 23 28 15.0 LONG. = - 14 15 35.6 RAD. = 1735051.3	1.6 3.3 25.7
25894	X = 1543864 Y = -400412 Z = 683202	24 28 16	LAT. = 23 11 17.2 LONG. = - 14 32 23.0 RAD. = 1735111.4	1.6 3.4 27.6
2912	X = 1545570 Y = -398684 Z = 680353	21 28 15	LAT. = 23 5 8.8 LONG. = - 14 27 51.5 RAD. = 1735112.5	1.6 3.4 24.1
E514C	X = 1550700 Y = -405677 Z = 664515	24 29 24	LAT. = 22 31 3.5 LONG. = - 14 39 38.0 RAD. = 1735172.8	2.2 3.5 29.7
95087	X = 1551315 Y = -404544 Z = 663850	22 27 15	LAT. = 22 29 36.3 LONG. = - 14 36 56.9 RAD. = 1735203.5	1.4 3.3 25.5
5507D	X = 1550620 Y = -365513 Z = 687262	27 30 37	LAT. = 23 20 6.3 LONG. = - 13 15 49.2 RAD. = 1735036.5	3.3 3.6 37.7
2718	X = 1551576 Y = -367076 Z = 684270	21 28 15	LAT. = 23 13 50.0 LONG. = - 13 18 37.7 RAD. = 1735077.8	1.6 3.4 23.8
95074	X = 1552977 Y = -364169 Z = 682777	22 27 15	LAT. = 23 10 23.3 LONG. = - 13 11 50.1 RAD. = 1735091.3	1.4 3.3 25.0
Y2655	X = 1579681 Y = -378648 Z = 610404	22 27 19	LAT. = 20 35 40.2 LONG. = - 13 28 46.0 RAD. = 1735326.9	1.8 3.3 26.6

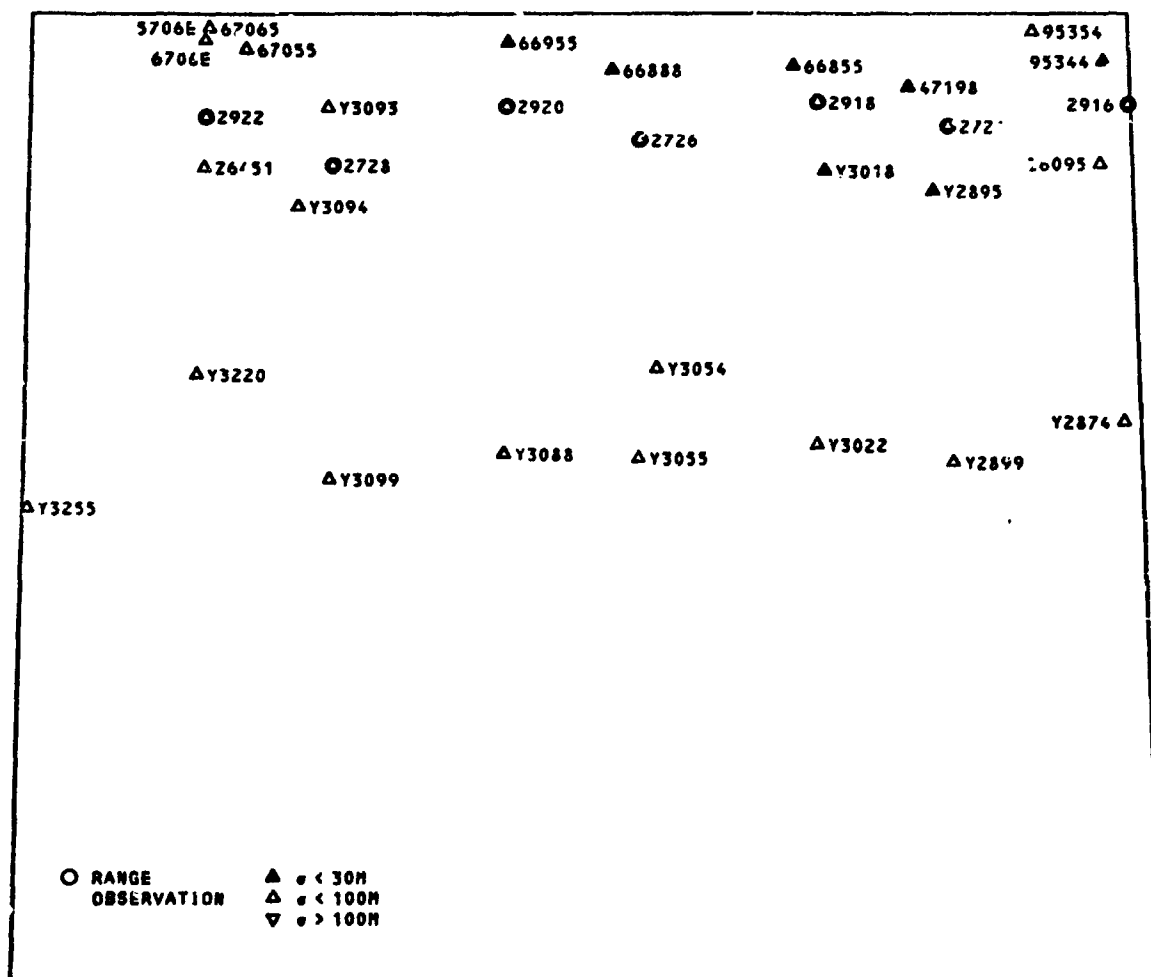
TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6998	X = 1551223 Y = -334561 Z = 701607	21 27 15	LAT. = 23 51 5.4 LONG. = - 12 10 15.2 RAD. = 1735072.5	1.4 3.3 24.7
46922	X = 1553357 Y = -349402 Z = 689544	21 27 17	LAT. = 23 25 .2 LONG. = - 12 40 36.3 RAD. = 1735070.5	1.6 3.3 25.2
A6999	X = 1554873 Y = -344252 Z = 688841	22 27 18	LAT. = 23 23 26.6 LONG. = - 12 29 2.4 RAD. = 1735119.7	1.6 3.4 26.2
65058	X = 1561302 Y = -343377 Z = 674664	23 28 24	LAT. = 22 52 52.4 LONG. = - 12 24 12.9 RAD. = 1735149.1	2.2 3.4 28.6
95055	X = 1576282 Y = -353671 Z = 633449	23 27 19	LAT. = 21 24 39.1 LONG. = - 12 38 45.7 RAD. = 1735225.3	1.8 3.3 26.9
Z5854	X = 1583991 Y = -339207 Z = 622059	23 27 19	LAT. = 21 0 26.2 LONG. = - 12 5 13.8 RAD. = 1735237.0	1.8 3.3 27.3
Y2623	X = 1588417 Y = -352149 Z = 603522	22 27 20	LAT. = 20 21 7.6 LONG. = - 12 30 .6 RAD. = 1735314.6	1.9 3.3 26.5
D5455	X = 1561831 Y = -312289 Z = 688298	24 28 24	LAT. = 23 22 16.9 LONG. = - 11 18 26.0 RAD. = 1735106.8	2.2 3.5 28.7
95040	X = 1558782 Y = -327936 Z = 687884	23 27 24	LAT. = 23 21 24.3 LONG. = 11 52 50.2 RAD. = 1735087.2	2.2 3.4 28.8
D510H	X = 1558978 Y = -328806 Z = 687106	28 29 40	LAT. = 23 19 41.9 LONG. = - 11 54 35.2 RAD. = 1735120.1	3.6 3.6 39.2
2910	X = 1564758 Y = -323337 Z = 676293	21 27 15	LAT. = 22 56 23.6 LONG. = - 11 41 27.3 RAD. = 1735130.1	1.6 3.4 33.6
95042	X = 1572162 Y = -327143 Z = 657459	22 27 16	LAT. = 22 15 54.3 LONG. = - 11 45 16.7 RAD. = 1735214.2	1.4 3.3 25.7

TERRAIN POINTS ON MAP SHEET 40C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E504C	X = 1575444 Y = -329811 Z = 648209	24 28 24	LAT. = 21 56 7.5 LONG. = - 11 49 25.7 RAD. = 1735215.6	2.2 3.5 29.2
8697F	X = 1556341 Y = -301957 Z = 705252	34 33 38	LAT. = 23 58 55.2 LONG. = - 10 58 47.8 RAD. = 1735153.1	3.2 4.5 41.8
A6955	X = 1566100 Y = -276578 Z = 593743	21 26 15	LAT. = 23 34 4.8 LONG. = - 10 0 35.2 RAD. = 1735062.7	1.4 3.2 24.0
95017	X = 1563332 Y = -294601 Z = 692759	21 26 14	LAT. = 23 31 53.2 LONG. = - 10 40 18.9 RAD. = 1735140.1	1.4 3.2 23.9
A501G	X = 1563134 Y = -294535 Z = 692469	27 29 32	LAT. = 23 31 31.4 LONG. = - 10 40 14.9 RAD. = 1734834.5	2.8 3.6 35.9
2716	X = 1568134 Y = -292556 Z = 682670	21 27 15	LAT. = 23 10 7.5 LONG. = - 10 34 4.0 RAD. = 1735128.8	1.5 3.3 23.3
95019	X = 1574369 Y = -296876 Z = 666462	22 26 15	LAT. = 22 35 12.4 LONG. = - 10 40 43.6 RAD. = 1735207.1	1.4 3.2 24.7
94899	X = 1594272 Y = -291488 Z = 619805	25 28 23	LAT. = 20 55 42.1 LONG. = - 10 21 40.3 RAD. = 1735173.6	2.2 3.4 29.2
Y2499	X = 1597830 Y = -303859 Z = 604648	22 27 19	LAT. = 20 23 34.4 LONG. = - 10 46 2.5 RAD. = 1735220.9	1.8 3.2 26.2

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MAP SHEET 10D

TERRAIN POINTS ON MAP SHEET 40D

POINT NO.	CARTESIAN POSITION	STD CLV	SPHERICAL POSITION	STD DEV
Y3255	X = 1414423 Y = -815009 Z = 591359	24 32 22	LAT. = 19 54 47.7 LONG. = - 29 57 4.0 RAD. = 1736242.6	2.2 3.6 30.4
5706E	X = 1396240 Y = -754709 Z = 702967	24 31 21	LAT. = 23 53 20.4 LONG. = - 28 23 33.1 RAD. = 1735867.3	1.9 3.7 30.3
67065	X = 1396375 Y = -754682 Z = 702718	26 35 33	LAT. = 23 52 48.2 LONG. = - 28 23 21.7 RAD. = 1735863.1	2.8 3.9 39.1
6706E	X = 1397000 Y = -756057 Z = 700079	26 32 16	LAT. = 23 47 3.6 LONG. = - 28 25 20.2 RAD. = 1735397.9	1.7 3.7 30.4
67055	X = 1402706 Y = -747328 Z = 697839	24 31 22	LAT. = 23 42 17.0 LONG. = - 28 2 51.3 RAD. = 1735817.8	2.1 3.7 30.5
2922	X = 1403974 Y = -759424 Z = 682400	22 31 16	LAT. = 23 8 50.6 LONG. = - 28 24 33.9 RAD. = 1735954.1	1.7 3.7 27.0
26451	X = 1408171 Y = -762059 Z = 670732	25 31 17	LAT. = 22 43 44.8 LONG. = - 28 25 15.1 RAD. = 1735961.1	1.7 3.7 30.4
Y3220	X = 1424717 Y = -772312 Z = 622563	24 31 19	LAT. = 21 0 53.2 LONG. = - 28 27 40.6 RAD. = 1736050.1	1.8 3.5 29.6
Y3093	X = 1417508 Y = -731623 Z = 684466	26 31 16	LAT. = 23 13 24.2 LONG. = - 27 17 59.1 RAD. = 1735826.9	1.6 3.6 30.0
2728	X = 1423196 Y = -732996 Z = 671171	22 31 16	LAT. = 22 44 46.1 LONG. = - 27 15 .2 RAD. = 1735869.2	1.6 3.6 26.7
Y3094	X = 1422786 Y = -742453 Z = 661624	24 31 16	LAT. = 22 24 10.6 LONG. = - 27 33 24.9 RAD. = 1735887.2	1.6 3.6 29.2
Y3099	X = 1448801 Y = -746506 Z = 597913	24 31 22	LAT. = 20 8 45.7 LONG. = - 27 15 36.5 RAD. = 1736028.3	2.1 3.6 29.9

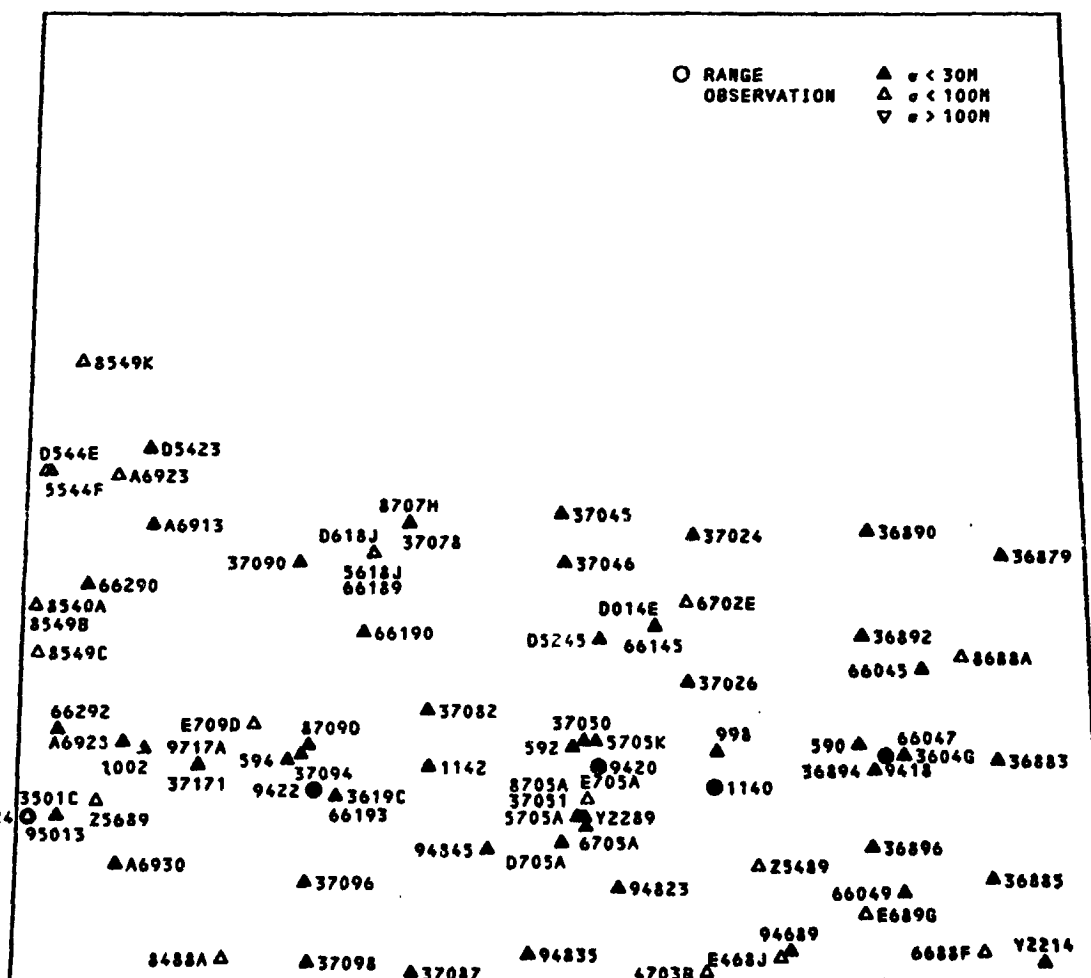
TERRAIN POINTS ON MAP SHEET 40D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66955	X = 1431910 Y = -687891 Z = 699271	22 30 15	LAT. = 23 45 30.7 LONG. = - 25 39 34.8 RAD. = 1735666.5	1.4 3.5 26.5
2920	X = 1437505 Y = -691144 Z = 684612	22 31 16	LAT. = 23 13 47.5 LONG. = - 25 40 40.7 RAD. = 1735739.9	1.6 3.6 26.3
Y3088	X = 1466413 Y = -705757 Z = 603766	23 30 21	LAT. = 20 21 17.2 LONG. = - 25 42 2.3 RAD. = 1735797.8	2.0 3.5 28.9
66888	X = 1445623 Y = -665211 Z = 692947	22 29 15	LAT. = 23 31 50.8 LONG. = - 24 42 35.2 RAD. = 1735657.3	1.4 3.5 26.5
2726	X = 1454797 Y = -661764 Z = 676890	22 30 15	LAT. = 22 57 13.5 LONG. = - 24 27 36.1 RAD. = 1735668.6	1.6 3.6 26.1
Y3054	X = 1475868 Y = -667327 Z = 623824	23 30 19	LAT. = 21 3 49.6 LONG. = - 24 19 50.0 RAD. = 1735704.0	1.8 3.5 28.4
Y3055	X = 1481221 Y = -674914 Z = 602724	23 30 20	LAT. = 20 19 7.5 LONG. = - 24 29 46.4 RAD. = 1735742.2	1.9 3.4 28.4
66855	X = 1463695 Y = -622962 Z = 693913	22 29 15	LAT. = 23 34 3.7 LONG. = - 23 3 18.2 RAD. = 1735511.5	1.4 3.4 25.9
47198	X = 1476673 Y = -597031 Z = 689005	22 29 15	LAT. = 23 23 31.6 LONG. = - 22 0 50.0 RAD. = 1735435.6	1.4 3.4 25.8
2918	X = 1469350 Y = -618927 Z = 685494	22 30 15	LAT. = 23 15 53.8 LONG. = - 22 50 31.3 RAD. = 1735500.8	1.6 3.5 25.7
Y3018	X = 1476135 Y = -620219 Z = 669646	23 29 16	LAT. = 22 41 46.2 LONG. = - 22 47 25.4 RAD. = 1735532.4	1.5 3.5 28.2
Y3022	X = 1498274 Y = -632911 Z = 605831	23 29 20	LAT. = 20 25 46.1 LONG. = - 22 54 1.8 RAD. = 1735636.4	1.9 3.4 28.3

TERRAIN POINTS ON MAP SHEET 40D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2724	X = 1483912 Y = -589356 Z = 679943	21 30 15	LAT. = 23 4 .7 LONG. = - 21 39 40.3 RAD. = 1735412.8	1.6 3.5 25.4
Y2895	X = 1488217 Y = -595711 Z = 664973	23 29 16	LAT. = 22 31 47.8 LONG. = - 21 48 55.7 RAD. = 1735468.0	1.5 3.4 27.9
Y2899	X = 1512760 Y = -601561 Z = 601660	22 29 20	LAT. = 20 16 58.9 LONG. = - 21 41 8.2 RAD. = 1735601.3	2.0 3.4 28.0
95354	X = 1483090 Y = -565383 Z = 701771	25 30 22	LAT. = 23 51 8.2 LONG. = - 20 52 4.2 RAD. = 1735424.0	2.1 3.6 30.0
95344	X = 1492071 Y = -550046 Z = 694871	21 28 15	LAT. = 23 36 12.7 LONG. = - 20 14 10.4 RAD. = 1735416.8	1.4 3.4 25.4
2916	X = 1498184 Y = -546017 Z = 685080	21 29 15	LAT. = 23 14 59.3 LONG. = - 20 1 27.8 RAD. = 1735518.6	1.6 3.5 25.2
Z6095	X = 1500938 Y = -555031 Z = 671374	24 29 17	LAT. = 22 45 35.5 LONG. = - 20 17 37.9 RAD. = 1735401.2	1.6 3.5 28.5
Y2874	X = 1525075 Y = -559756 Z = 611354	23 29 20	LAT. = 20 37 20.5 LONG. = - 20 9 17.7 RAD. = 1735780.3	1.9 3.4 27.8

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MAP SHEET 41A

TERRAIN POINTS ON MAP SHEET 41A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8549K	X = 1494790 Y = -250460 Z = 844308	30 28 16	LAT. = 29 7 14.8 LONG. = - 9 30 42.7 RAD. = 1734930.2	2.4 3.6 28.8
D544E	X = 1506137 Y = -260851 Z = 820339	29 28 16	LAT. = 28 13 16.8 LONG. = - 9 49 32.5 RAD. = 1734775.7	2.2 3.6 28.5
5544F	X = 1506459 Y = -259631 Z = 820277	28 27 16	LAT. = 28 13 4.1 LONG. = - 9 46 43.0 RAD. = 1734843.3	2.2 3.5 27.3
A6923	X = 1509938 Y = -242887 Z = 819387	29 26 15	LAT. = 28 10 52.6 LONG. = - 9 8 17.8 RAD. = 1735022.2	2.2 3.5 28.1
66290	X = 1521471 Y = -251637 Z = 795236	23 26 14	LAT. = 27 16 43.8 LONG. = - 9 23 28.2 RAD. = 1735106.3	1.6 3.4 24.7
8540A	X = 1521384 Y = -264918 Z = 790516	27 28 16	LAT. = 27 6 28.5 LONG. = - 9 52 40.3 RAD. = 1734850.4	1.8 3.5 28.9
8549B	X = 1521412 Y = -264938 Z = 790515	36 33 20	LAT. = 27 6 26.7 LONG. = - 9 52 42.3 RAD. = 1734877.8	1.9 3.9 40.7
8549C	X = 1526846 Y = -265012 Z = 780016	27 28 17	LAT. = 26 43 4.8 LONG. = - 9 50 47.8 RAD. = 1734910.9	1.7 3.5 28.9
66292	X = 1536425 Y = -260785 Z = 762902	22 26 13	LAT. = 26 5 1.2 LONG. = - 9 37 59.9 RAD. = 1735116.5	1.4 3.3 23.7
A6928	X = 1540603 Y = -244902 Z = 760103	22 26 14	LAT. = 25 58 41.7 LONG. = - 9 1 56.8 RAD. = 1735278.2	1.4 3.3 24.0
Z5689	X = 1545958 Y = -252072 Z = 746637	27 27 15	LAT. = 25 29 8.0 LONG. = - 9 15 38.6 RAD. = 1735221.4	2.0 3.4 26.7
3501C	X = 1545812 Y = -262292 Z = 743335	33 28 20	LAT. = 25 21 55.2 LONG. = - 9 37 48.7 RAD. = 1735188.6	1.7 3.7 35.9

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
95013	X = 1545801 Y = -262302 Z = 743328	22 26 14	LAT. = 25 21 55.0 LONG. = - 9 37 50.2 RAD. = 1735177.2	1.4 3.3 24.7
9424	X = 1544600 Y = -269506 Z = 743055	22 27 17	LAT. = 25 21 23.6 LONG. = - 9 53 50.9 RAD. = 1735094.2	1.7 3.5 24.5
A6930	X = 1553412 Y = -248004 Z = 732423	21 26 13	LAT. = 24 57 59.5 LONG. = - 9 4 14.8 RAD. = 1735234.4	1.3 3.2 23.2
D5423	X = 1507987 Y = -234679 Z = 825353	23 26 14	LAT. = 28 24 18.1 LONG. = - 8 50 44.4 RAD. = 1735023.8	1.7 3.4 24.2
A6913	X = 1517003 Y = -234748 Z = 808447	25 26 14	LAT. = 27 46 25.6 LONG. = - 8 47 47.2 RAD. = 1734932.2	1.8 3.4 25.7
1002	X = 1542196 Y = -239685 Z = 758565	24 27 16	LAT. = 25 55 17.6 LONG. = - 8 50 2.9 RAD. = 1735291.9	1.6 3.4 26.5
9717A	X = 1546328 Y = -226362 Z = 755000	29 28 16	LAT. = 25 47 7.5 LONG. = - 8 19 41.5 RAD. = 1735624.9	2.2 3.5 28.7
37171	X = 1546381 Y = -226269 Z = 754968	23 26 15	LAT. = 25 47 2.0 LONG. = - 8 19 28.4 RAD. = 1735646.8	1.4 3.3 25.8
8488A	X = 1567331 Y = -222422 Z = 711208	25 27 21	LAT. = 24 11 34.4 LONG. = - 8 4 37.2 RAD. = 1735457.8	1.9 3.5 28.6
37090	X = 1526927 Y = -198482 Z = 800222	23 25 14	LAT. = 27 27 39.4 LONG. = - 7 24 22.5 RAD. = 1735297.0	1.5 3.3 23.8
E709D	X = 1543882 Y = -211819 Z = 764219	29 28 16	LAT. = 26 7 24.8 LONG. = - 7 48 43.8 RAD. = 1735646.5	2.2 3.5 28.8
8709D	X = 1548388 Y = -198526 Z = 759608	26 27 17	LAT. = 25 56 50.6 LONG. = - 7 18 22.6 RAD. = 1736065.5	1.7 3.5 28.4

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
37094	X = 1548988 Y = -200411 Z = 757485	21 25 13	LAT. = 25 52 20.4 LONG. = - 7 22 19.5 RAD. = 1735889.6	1.3 3.2 22.8
594	X = 1548991 Y = -203797 Z = 756154	24 26 16	LAT. = 25 49 35.2 LONG. = - 7 29 42.6 RAD. = 1735706.3	1.6 3.4 26.2
9422	X = 1553026 Y = -197594 Z = 749383	21 26 15	LAT. = 25 34 44.9 LONG. = - 7 15 3.2 RAD. = 1735657.5	1.6 3.4 22.9
3519C	X = 1554322 Y = -192021 Z = 748005	32 27 20	LAT. = 25 31 46.8 LONG. = - 7 2 33.5 RAD. = 1735597.8	1.7 3.6 34.9
66193	X = 1554316 Y = -192089 Z = 747975	22 25 14	LAT. = 25 31 43.4 LONG. = - 7 2 42.4 RAD. = 1735587.6	1.3 3.2 23.7
37096	X = 1562509 Y = -200934 Z = 728553	21 25 15	LAT. = 24 49 7.6 LONG. = - 7 19 40.3 RAD. = 1735684.1	1.4 3.2 23.9
37098	X = 1570686 Y = -201088 Z = 710383	20 25 14	LAT. = 24 9 42.0 LONG. = - 7 17 44.3 RAD. = 1735550.3	1.3 3.2 22.8
8707H	X = 1525798 Y = -170288 Z = 809120	29 27 16	LAT. = 27 47 24.6 LONG. = - 6 22 5.5 RAD. = 1735434.4	2.1 3.5 28.4
37078	X = 1525890 Y = -170391 Z = 808964	22 25 13	LAT. = 27 47 2.5 LONG. = - 6 22 17.8 RAD. = 1735452.4	1.5 3.3 23.4
D618J	X = 1528134 Y = -179666 Z = 802309	29 28 16	LAT. = 27 32 20.6 LONG. = - 6 42 20.2 RAD. = 1735273.4	2.2 3.6 28.2
66189	X = 1528169 Y = -179682 Z = 802273	29 27 16	LAT. = 27 32 14.7 LONG. = - 6 42 21.8 RAD. = 1735288.9	2.3 3.5 27.5
5618J	X = 1528225 Y = -179670 Z = 802235	27 27 15	LAT. = 27 32 7.8 LONG. = - 6 42 19.3 RAD. = 1735319.9	2.0 3.5 26.9

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66190	X = 1537225 Y = -183268 Z = 784799	24 26 14	LAT. = 26 52 56.2 LONG. = - 6 47 55.4 RAD. = 1735672.4	1.5 3.3 24.9
37082	X = 1548485 Y = -168020 Z = 767650	22 25 13	LAT. = 26 14 10.9 LONG. = - 6 11 33.7 RAD. = 1736468.0	1.3 3.2 23.3
1142	X = 1554697 Y = -168313 Z = 755009	24 26 16	LAT. = 25 46 18.1 LONG. = - 6 10 43.8 RAD. = 1736505.0	1.6 3.4 26.3
37087	X = 1574907 Y = -174878 Z = 707889	20 25 13	LAT. = 24 4 19.1 LONG. = - 6 20 10.3 RAD. = 1735517.7	1.3 3.2 22.3
94845	X = 1564489 Y = -154454 Z = 736062	22 25 13	LAT. = 25 5 21.2 LONG. = - 5 38 17.7 RAD. = 1735877.0	1.4 3.2 23.0
94835	X = 1576279 Y = -145267 Z = 712219	23 26 15	LAT. = 24 13 27.7 LONG. = - 5 15 55.5 RAD. = 1735804.0	1.5 3.3 24.7
37045	X = 1528793 Y = -131844 Z = 811137	22 25 13	LAT. = 27 51 41.2 LONG. = - 4 55 44.5 RAD. = 1735665.1	1.5 3.3 23.0
37046	X = 1534616 Y = -131668 Z = 800288	22 25 13	LAT. = 27 27 20.0 LONG. = - 4 54 14.0 RAD. = 1735754.8	1.5 3.3 23.4
D014E	X = 1543872 Y = -109720 Z = 786456	45 27 18	LAT. = 26 56 10.2 LONG. = - 4 3 54.2 RAD. = 1736114.4	3.5 3.6 39.0
66145	X = 1544018 Y = -109720 Z = 786214	22 25 13	LAT. = 26 55 36.8 LONG. = - 4 3 52.9 RAD. = 1736134.8	1.4 3.2 22.7
D5245	X = 1545643 Y = -123745 Z = 784000	26 26 14	LAT. = 26 49 18.5 LONG. = - 4 34 38.6 RAD. = 1737521.0	1.9 3.3 26.1
37050	X = 1555158 Y = -128908 Z = 760688	21 25 14	LAT. = 25 59 15.7 LONG. = - 4 44 18.4 RAD. = 1736023.8	1.4 3.2 23.1

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5705K	X = 1555629 Y = -125886 Z = 760577	25 26 15	LAT. = 25 58 52.3 LONG. = - 4 37 35.3 RAD. = 1736175.8	1.7 3.4 26.5
592	X = 1555617 Y = -131723 Z = 759219	24 26 16	LAT. = 25 56 2.8 LONG. = - 4 50 24.1 RAD. = 1736003.3	1.6 3.4 25.8
9420	X = 1558868 Y = -125317 Z = 755091	21 26 16	LAT. = 25 46 20.9 LONG. = - 4 35 46.0 RAD. = 1736645.2	1.7 3.4 22.1
E705A	X = 1561989 Y = -128555 Z = 747667	29 28 16	LAT. = 25 30 12.6 LONG. = - 4 42 17.9 RAD. = 1736474.2	2.3 3.5 28.3
5705A	X = 1563217 Y = -131368 Z = 743519	25 26 16	LAT. = 25 21 33.2 LONG. = - 4 48 13.2 RAD. = 1736008.6	1.6 3.4 26.6
8705A	X = 1563316 Y = -130662 Z = 743465	25 26 17	LAT. = 25 21 25.4 LONG. = - 4 46 39.6 RAD. = 1736021.5	1.7 3.4 27.2
37051	X = 1563323 Y = -130632 Z = 743416	21 25 14	LAT. = 25 21 19.9 LONG. = - 4 46 35.7 RAD. = 1736004.5	1.4 3.2 23.4
Y2289	X = 1563385 Y = -129441 Z = 743398	26 26 15	LAT. = 25 21 19.9 LONG. = - 4 43 59.0 RAD. = 1735962.9	1.9 3.3 25.7
6705A	X = 1564460 Y = -129262 Z = 741258	26 26 16	LAT. = 25 16 36.4 LONG. = - 4 43 23.7 RAD. = 1736003.0	1.7 3.4 27.3
D705A	X = 1565746 Y = -135610 Z = 737624	26 26 16	LAT. = 25 8 33.8 LONG. = - 4 57 .2 RAD. = 1736098.9	1.7 3.4 27.8
94823	X = 1571485 Y = -121772 Z = 727297	21 25 13	LAT. = 24 46 11.3 LONG. = - 4 25 51.3 RAD. = 1735901.6	1.4 3.2 22.8
37024	X = 1533480 Y = -99034 Z = 806300	22 24 13	LAT. = 27 41 10.3 LONG. = - 3 41 42.3 RAD. = 1735363.6	1.5 3.2 22.7

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6702E	X = 1541714 Y = -101528 Z = 791587	29 27 17	LAT. = 27 7 39.8 LONG. = - 3 46 3.8 RAD. = 1736029.7	2.4 3.6 27.2
37026	X = 1550519 Y = -101971 Z = 773641	22 25 13	LAT. = 26 28 4.2 LONG. = - 3 45 45.7 RAD. = 1735807.0	1.4 3.2 23.0
998	X = 1558423 Y = -95304 Z = 757976	24 26 16	LAT. = 25 53 42.2 LONG. = - 3 29 58.2 RAD. = 1735595.9	1.6 3.3 25.8
1140	X = 1562499 Y = -96326 Z = 750146	20 26 15	LAT. = 25 36 10.8 LONG. = - 3 31 39.9 RAD. = 1735914.9	1.6 3.3 21.9
25489	X = 1571513 Y = -86019 Z = 732138	26 25 15	LAT. = 24 56 49.6 LONG. = - 3 7 58.9 RAD. = 1735821.5	2.0 3.3 25.6
4703B	X = 1581608 Y = -100345 Z = 707943	29 28 30	LAT. = 24 4 15.1 LONG. = - 3 37 48.9 RAD. = 1735723.1	2.5 3.7 35.5
36890	X = 1535004 Y = -54899 Z = 806912	22 24 13	LAT. = 27 42 52.8 LONG. = - 2 2 53.9 RAD. = 1735038.7	1.5 3.2 22.7
36892	X = 1547012 Y = -57354 Z = 783607	21 24 13	LAT. = 26 50 51.6 LONG. = - 2 7 23.6 RAD. = 1735100.9	1.4 3.2 22.4
590	X = 1559309 Y = -59269 Z = 759314	24 25 16	LAT. = 25 56 51.8 LONG. = - 2 10 36.3 RAD. = 1735371.8	1.6 3.3 25.5
36894	X = 1562262 Y = -55517 Z = 753528	21 24 13	LAT. = 25 44 7.2 LONG. = - 2 2 6.9 RAD. = 1735381.4	1.3 3.2 22.4
36896	X = 1570526 Y = -56976 Z = 736153	20 24 13	LAT. = 25 5 57.9 LONG. = - 2 4 39.7 RAD. = 1735430.5	1.3 3.1 21.9
E689G	X = 1577629 Y = -59491 Z = 721047	31 27 16	LAT. = 24 32 49.7 LONG. = - 2 9 34.3 RAD. = 1735615.7	2.3 3.5 29.3

TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94689	X = 1580643 Y = -78903 Z = 712687	21 24 14	LAT. = 24 14 35.3 LONG. = - 2 51 27.8 RAD. = 1735678.4	1.4 3.2 22.9
E468J	X = 1581170 Y = -81514 Z = 711090	30 27 16	LAT. = 24 11 10.2 LONG. = - 2 57 4.2 RAD. = 1735624.7	2.1 3.4 29.5
8688A	X = 1550274 Y = -32339 Z = 778944	28 26 15	LAT. = 26 40 21.0 LONG. = - 1 11 42.1 RAD. = 1735266.7	2.1 3.4 26.7
66045	X = 1551384 Y = -42563 Z = 776109	21 24 13	LAT. = 26 34 7.6 LONG. = - 1 34 17.6 RAD. = 1735208.4	1.4 3.2 22.2
66047	X = 1560887 Y = -47868 Z = 757027	22 24 13	LAT. = 25 51 45.8 LONG. = - 1 45 23.5 RAD. = 1735439.7	1.4 3.2 22.6
3604G	X = 1560866 Y = -47909 Z = 757001	32 27 20	LAT. = 25 51 44.0 LONG. = - 1 45 29.1 RAD. = 1735410.0	1.7 3.6 34.4
9418	X = 1560817 Y = -52606 Z = 756820	20 25 15	LAT. = 25 51 19.4 LONG. = - 1 55 49.4 RAD. = 1735423.0	1.6 3.3 21.6
66049	X = 1575598 Y = -49279 Z = 725876	20 24 13	LAT. = 24 43 29.4 LONG. = - 1 47 29.1 RAD. = 1735463.9	1.3 3.1 21.6
6688F	X = 1582199 Y = -29926 Z = 712402	37 27 20	LAT. = 24 14 10.8 LONG. = - 1 5 9 RAD. = 1735443.6	1.8 3.5 39.5
36879	X = 1538796 Y = -21194 Z = 801627	23 24 13	LAT. = 27 30 53.2 LONG. = - 0 47 20.7 RAD. = 1735208.2	1.6 3.2 23.0
36883	X = 1561917 Y = -24240 Z = 755936	22 24 13	LAT. = 25 49 24.1 LONG. = - 0 53 20.8 RAD. = 1735399.3	1.4 3.1 22.8
36885	X = 1574657 Y = -26879 Z = 728914	21 24 15	LAT. = 24 50 11.0 LONG. = - 0 58 40.6 RAD. = 1735391.3	1.4 3.1 23.2

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TERRAIN POINTS ON MAP SHEET 41A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2214	X = 1584038	24	LAT. = 24 9 22.7	1.6
	Y = -14687	24	LONG. = - 0 31 52.5	3.1
	Z = 710474	14	RAD. = 1736135.5	24.2

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TERRAIN POINTS ON MAP SHEET 41B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36845	X = 1531547 Y = 15588 Z = 816466	23 24 14	LAT. = 28 3 38.9 LONG. = 0 34 59.3 RAD. = 1735654.7	1.7 3.2 22.7
36846	X = 1538007 Y = 17312 Z = 803213	22 24 13	LAT. = 27 34 26.5 LONG. = 0 38 41.7 RAD. = 1735199.0	1.6 3.2 22.5
36848	X = 1550879 Y = 17792 Z = 778110	21 24 13	LAT. = 26 38 32.7 LONG. = 0 39 26.2 RAD. = 1735222.7	1.4 3.1 21.9
5588J	X = 1553481 Y = 25137 Z = 772767	27 25 15	LAT. = 26 26 40.9 LONG. = 0 55 37.3 RAD. = 1735253.0	1.9 3.3 26.1
65889	X = 1553536 Y = 25220 Z = 772685	24 24 14	LAT. = 26 26 29.2 LONG. = 0 55 48.1 RAD. = 1735267.5	1.5 3.2 25.2
36850	X = 1560081 Y = 18910 Z = 759713	21 24 13	LAT. = 25 57 47.0 LONG. = 0 41 40.0 RAD. = 1735331.1	1.4 3.1 22.0
588	X = 1560941 Y = 13019 Z = 758145	24 25 16	LAT. = 25 54 17.8 LONG. = 0 28 40.3 RAD. = 1735364.6	1.6 3.3 25.2
9416	X = 1561157 Y = 20223 Z = 757858	20 25 15	LAT. = 25 53 31.9 LONG. = 0 44 31.8 RAD. = 1735502.2	1.6 3.3 21.2
6685K	X = 1562848 Y = 21568 Z = 753838	29 25 15	LAT. = 25 44 53.3 LONG. = 0 47 26.4 RAD. = 1735290.1	2.0 3.3 27.5
36852	X = 1571632 Y = 16983 Z = 735695	20 23 13	LAT. = 25 5 .3 LONG. = 0 37 8.8 RAD. = 1735385.6	1.3 3.1 21.4
D685B	X = 1573697 Y = 21161 Z = 731250	29 26 15	LAT. = 24 55 15.2 LONG. = 0 46 13.4 RAD. = 1735424.2	2.0 3.4 28.3
8685D	X = 1581706 Y = 23148 Z = 713768	26 25 16	LAT. = 24 17 8.4 LONG. = 0 50 18.4 RAD. = 1735452.5	1.7 3.3 26.7

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36854	X = 1582689 Y = 15501 Z = 711546	20 23 13	LAT. = 24 12 24.2 LONG. = 0 33 40.1 RAD. = 1735350.6	1.3 3.1 21.4
36815	X = 1547242 Y = 53720 Z = 783683	22 23 13	LAT. = 26 50 54.4 LONG. = 1 59 18.6 RAD. = 1735224.2	1.5 3.1 22.6
36828	X = 1560619 Y = 48657 Z = 757164	21 23 13	LAT. = 25 52 13.0 LONG. = 1 47 8.9 RAD. = 1735280.1	1.4 3.1 21.9
D685K	X = 1565877 Y = 29586 Z = 747761	30 26 16	LAT. = 25 31 19.7 LONG. = 1 4 56.7 RAD. = 1735509.1	2.2 3.4 28.2
D682J	X = 1567479 Y = 53326 Z = 744142	46 26 19	LAT. = 25 22 57.6 LONG. = 1 56 54.5 RAD. = 1735966.9	3.5 3.5 40.1
36829	X = 1569060 Y = 43372 Z = 739960	21 23 13	LAT. = 25 14 23.5 LONG. = 1 35 .1 RAD. = 1735330.0	1.3 3.1 21.7
1136	X = 1570561 Y = 47091 Z = 737139	20 25 15	LAT. = 25 7 58.8 LONG. = 1 43 2.7 RAD. = 1735584.0	1.6 3.2 21.2
36830	X = 1574900 Y = 44953 Z = 726929	21 23 14	LAT. = 24 46 4.2 LONG. = 1 38 5.9 RAD. = 1735152.8	1.4 3.1 22.2
36814	X = 1538742 Y = 54238 Z = 800297	29 24 14	LAT. = 27 27 51.5 LONG. = 2 1 7.5 RAD. = 1735264.7	2.0 3.3 27.6
B681D	X = 1538779 Y = 54216 Z = 800274	27 25 15	LAT. = 27 27 47.0 LONG. = 2 1 4.4 RAD. = 1735286.5	2.1 3.3 25.6
65867	X = 1558266 Y = 67672 Z = 760613	22 23 13	LAT. = 25 59 47.1 LONG. = 2 29 12.0 RAD. = 1735311.4	1.4 3.1 22.5
36689	X = 1526881 Y = 90034 Z = 819699	24 23 14	LAT. = 28 11 15.0 LONG. = 3 22 28.5 RAD. = 1735332.4	1.8 3.2 22.8

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
55749	X = 1545821 Y = 97804 Z = 782437	29 24 16	LAT. = 26 48 2.7 LONG. = 3 37 13.0 RAD. = 1735320.1	2.2 3.3 26.4
36693	X = 1552402 Y = 91065 Z = 770182	23 23 14	LAT. = 26 20 52.4 LONG. = 3 21 25.8 RAD. = 1735345.7	1.5 3.1 23.3
56690	X = 1552358 Y = 93353 Z = 769910	43 28 17	LAT. = 26 20 18.6 LONG. = 3 26 29.0 RAD. = 1735307.5	3.1 3.6 38.5
5669C	X = 1555972 Y = 91195 Z = 769937	39 27 16	LAT. = 26 17 18.3 LONG. = 3 21 15.3 RAD. = 1738438.5	2.6 3.7 35.8
A6393	X = 1555888 Y = 85130 Z = 763764	24 24 16	LAT. = 26 6 42.9 LONG. = 3 7 54.5 RAD. = 1735330.4	1.6 3.3 25.4
586	X = 1559802 Y = 85202 Z = 755713	24 24 16	LAT. = 25 48 59.0 LONG. = 3 7 35.7 RAD. = 1735322.9	1.6 3.2 25.4
36695	X = 1565343 Y = 92795 Z = 746701	22 23 14	LAT. = 25 27 47.0 LONG. = 3 23 33.3 RAD. = 1736799.1	1.4 3.1 23.2
65789	X = 1568263 Y = 94403 Z = 742773	42 27 16	LAT. = 25 18 12.5 LONG. = 3 26 41.3 RAD. = 1737835.2	2.6 3.7 38.0
85047	X = 1577211 Y = 109086 Z = 720620	24 23 13	LAT. = 24 30 13.7 LONG. = 3 57 23.4 RAD. = 1737466.0	1.6 3.1 23.3
36698	X = 1580798 Y = 93281 Z = 720666	21 23 14	LAT. = 24 28 12.3 LONG. = 3 22 37.3 RAD. = 1739822.1	1.4 3.0 21.7
36679	X = 1534292 Y = 127295 Z = 804046	24 23 14	LAT. = 27 34 33.9 LONG. = 4 44 33.9 RAD. = 1736878.1	1.7 3.1 23.3
36680	X = 1538251 Y = 127849 Z = 792671	23 23 13	LAT. = 27 10 55.7 LONG. = 4 45 4.0 RAD. = 1735191.6	1.6 3.1 22.2

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36683	X = 1556353 Y = 123438 Z = 765750	22 23 14	LAT. = 26 7 36.6 LONG. = 4 32 5.1 RAD. = 1738920.8	1.4 3.1 22.0
46249	X = 1560864 Y = 121209 Z = 755818	24 24 15	LAT. = 25 46 12.6 LONG. = 4 26 25.4 RAD. = 1738461.4	1.6 3.2 24.8
6668D	X = 1561808 Y = 125276 Z = 751312	44 25 18	LAT. = 25 37 5.9 LONG. = 4 35 9.6 RAD. = 1737644.7	3.4 3.3 38.2
85045	X = 1566591 Y = 118086 Z = 741903	28 24 15	LAT. = 25 16 42.5 LONG. = 4 18 38.4 RAD. = 1737403.8	2.1 3.3 26.1
R6050	X = 1568663 Y = 120930 Z = 736258	25 24 16	LAT. = 25 4 40.7 LONG. = 4 24 29.8 RAD. = 1737067.1	1.6 3.2 25.5
46251	X = 1568804 Y = 120824 Z = 735901	31 28 21	LAT. = 25 3 55.6 LONG. = 4 24 14.5 RAD. = 1737036.0	1.8 3.6 35.2
B6051	X = 1580408 Y = 113002 Z = 713522	24 24 17	LAT. = 24 14 36.4 LONG. = 4 5 23.3 RAD. = 1737691.2	1.6 3.2 25.5
A6345	X = 1524318 Y = 159968 Z = 812571	27 24 15	LAT. = 27 55 50.8 LONG. = 5 59 27.4 RAD. = 1734764.5	2.1 3.3 25.2
A6349	X = 1553260 Y = 156521 Z = 761952	23 23 14	LAT. = 26 0 57.6 LONG. = 5 45 15.2 RAD. = 1737149.1	1.5 3.1 23.8
A6350	X = 1559325 Y = 155370 Z = 749605	22 23 14	LAT. = 25 33 51.7 LONG. = 5 41 24.5 RAD. = 1737108.0	1.4 3.1 23.1
A6352	X = 1565867 Y = 153860 Z = 734375	23 23 15	LAT. = 25 1 13.5 LONG. = 5 36 42.4 RAD. = 1736351.8	1.5 3.1 23.7
36646	X = 1523559 Y = 1658 3 Z = 812943	27 24 15	LAT. = 27 56 37.2 LONG. = 6 12 40.3 RAD. = 1734820.9	2.0 3.3 25.0

TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36649	X = 1549718 Y = 167072 Z = 766637	24 24 16	LAT. = 26 11 24.0 LONG. = 6 9 11.5 RAD. = 1737029.8	1.6 3.2 24.6
9412	X = 1553673 Y = 165237 Z = 759347	20 24 15	LAT. = 25 55 11.4 LONG. = 6 4 14.7 RAD. = 1737185.0	1.6 3.2 20.6
6662J	X = 1556683 Y = 189824 Z = 745155	46 25 19	LAT. = 25 24 55.0 LONG. = 6 57 8.6 RAD. = 1736246.6	3.7 3.3 38.7
36629	X = 1556822 Y = 189797 Z = 745155	22 22 14	LAT. = 25 24 48.0 LONG. = 6 57 2.9 RAD. = 1736368.1	1.4 3.0 22.7
36651	X = 1560234 Y = 165213 Z = 745352	23 24 17	LAT. = 25 24 38.2 LONG. = 6 2 40.3 RAD. = 1737001.1	1.6 3.2 24.6
65745	X = 1560404 Y = 171396 Z = 743462	29 24 16	LAT. = 25 20 33.1 LONG. = 6 16 5.9 RAD. = 1736943.2	2.2 3.2 26.2
B5950	X = 1566880 Y = 186681 Z = 723997	35 28 19	LAT. = 24 38 47.4 LONG. = 6 47 39.5 RAD. = 1736125.9	1.8 3.6 37.1
Y1839	X = 1569094 Y = 175837 Z = 722077	26 23 15	LAT. = 24 34 32.9 LONG. = 6 23 38.6 RAD. = 1736194.1	2.0 3.1 24.3
5665C	X = 1571345 Y = 166587 Z = 719722	26 24 16	LAT. = 24 29 17.4 LONG. = 6 3 5.9 RAD. = 1736340.2	1.7 3.2 26.1
36614	X = 1532363 Y = 198922 Z = 788839	22 22 14	LAT. = 27 2 39.9 LONG. = 7 23 47.1 RAD. = 1734927.6	1.6 3.1 21.8
B5945	X = 1538198 Y = 196416 Z = 781016	28 23 15	LAT. = 26 43 56.9 LONG. = 7 16 36.7 RAD. = 1736265.1	2.1 3.2 25.4
5662H	X = 1548082 Y = 191276 Z = 763940	43 25 17	LAT. = 26 5 36.1 LONG. = 7 2 36.9 RAD. = 1736879.0	3.2 3.3 37.3

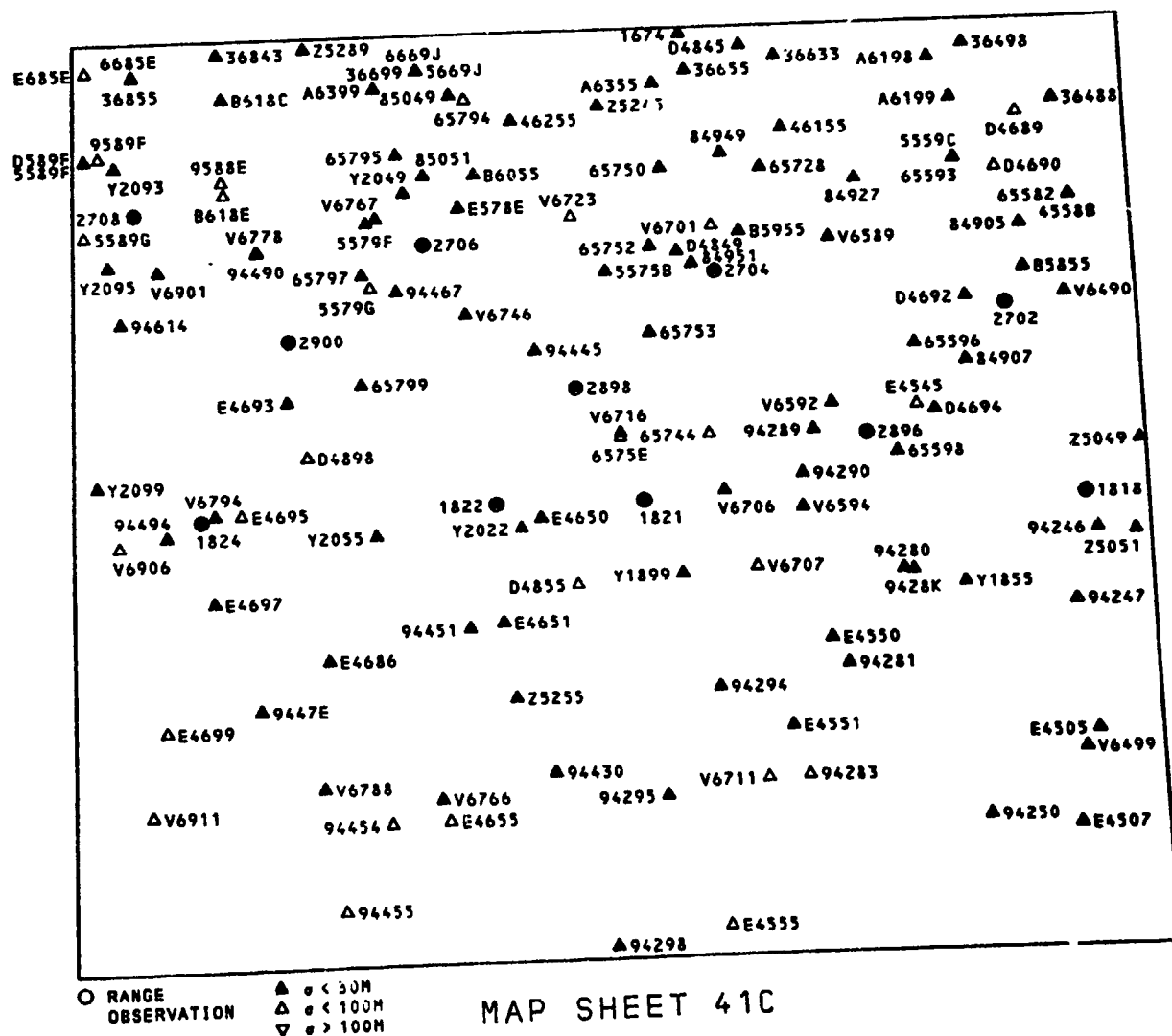
TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
990	X = 1558572 Y = 193740 Z = 739210	24 24 16	LAT. = 25 12 16.9 LONG. = 7 5 9.1 RAD. = 1735832.0	1.6 3.2 24.8
36631	X = 1566145 Y = 193715 Z = 723419	20 22 13	LAT. = 24 37 39.1 LONG. = 7 3 3.7 RAD. = 1735993.0	1.4 3.0 20.8
A6189	X = 1517408 Y = 227725 Z = 809174	27 23 15	LAT. = 27 48 18.6 LONG. = 8 32 5.8 RAD. = 1734690.0	2.2 3.2 25.0
36490	X = 1517923 Y = 236358 Z = 805872	25 23 14	LAT. = 27 40 50.7 LONG. = 8 51 1.9 RAD. = 1734757.8	1.9 3.1 23.4
A6193	X = 1539499 Y = 228057 Z = 766354	24 23 14	LAT. = 26 12 59.8 LONG. = 8 25 34.9 RAD. = 1734752.3	1.6 3.1 23.8
36493	X = 1538901 Y = 236199 Z = 765024	24 23 16	LAT. = 26 10 5.2 LONG. = 8 43 33.6 RAD. = 1734724.0	1.7 3.2 24.7
5619C	X = 1541710 Y = 239453 Z = 758314	29 23 16	LAT. = 25 55 17.4 LONG. = 8 49 42.4 RAD. = 1734718.3	2.2 3.2 26.1
36495	X = 1546535 Y = 237504 Z = 749102	33 25 22	LAT. = 25 34 59.9 LONG. = 8 43 50.8 RAD. = 1734742.8	1.8 3.5 35.3
A6194	X = 1548461 Y = 227796 Z = 748103	23 22 14	LAT. = 25 32 49.1 LONG. = 8 22 7.8 RAD. = 1734728.0	1.5 3.0 22.9
5619D	X = 1548515 Y = 227841 Z = 748113	28 24 15	LAT. = 25 32 47.2 LONG. = 8 22 12.6 RAD. = 1734786.5	2.1 3.2 26.1
36496	X = 1557534 Y = 237372 Z = 726082	21 23 14	LAT. = 24 44 33.8 LONG. = 8 39 55.3 RAD. = 1734777.6	1.5 3.0 21.3
B5845	X = 1529602 Y = 262763 Z = 774772	28 23 15	LAT. = 26 31 43.2 LONG. = 9 44 50.7 RAD. = 1734646.7	2.2 3.2 25.5

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TERRAIN POINTS ON MAP SHEET 41B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
988	X = 1550721	24	LAT. = 24 54 37.3	1.6
	Y = 265294	23	LONG. = 9 42 29.0	3.1
	Z = 730624	16	RAD. = 1734626.3	25.0
Y1845	X = 1563094	26	LAT. = 24 5 10.9	2.0
	Y = 254542	23	LONG. = 9 14 56.9	3.1
	Z = 707964	15	RAD. = 1734724.2	24.2
36487	X = 1562302	20	LAT. = 24 0 59.5	1.3
	Y = 264145	21	LONG. = 9 35 47.4	2.9
	Z = 706001	13	RAD. = 1734646.5	20.0



TERRAIN POINTS ON MAP SHEET 41C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E685E	X = 1588333	31	LAT. = 23 45 32.6	2.4
	Y = 3226	26	LONG. = 0 6 58.9	3.4
	Z = 699184	17	RAD. = 1735416.4	29.1
6685E	X = 1588813	26	LAT. = 23 42 47.0	1.6
	Y = 15599	25	LONG. = 0 33 45.0	3.3
	Z = 697906	17	RAD. = 1735408.0	27.5
36855	X = 1588973	20	LAT. = 23 42 9.7	1.3
	Y = 15578	23	LONG. = 0 33 42.1	3.0
	Z = 697633	13	RAD. = 1735444.6	21.2
9589F	X = 1597571	47	LAT. = 23 1 10.2	3.5
	Y = 6753	27	LONG. = 0 14 31.8	3.5
	Z = 678777	19	RAD. = 1735303.8	40.9
D589F	X = 1597122	27	LAT. = 22 59 47.7	1.7
	Y = 2976	26	LONG. = 0 6 24.3	3.3
	Z = 677827	17	RAD. = 1735009.6	28.5
5589F	X = 1597131	23	LAT. = 22 59 46.9	1.9
	Y = 2972	25	LONG. = 0 6 23.8	3.2
	Z = 677823	20	RAD. = 1735016.1	26.3
Y2093	X = 1598882	23	LAT. = 22 55 53.5	1.4
	Y = 10977	24	LONG. = 0 23 36.1	3.1
	Z = 676448	14	RAD. = 1736123.6	23.8
2708	X = 1604810	20	LAT. = 22 31 33.2	1.5
	Y = 16216	24	LONG. = 0 34 44.2	3.1
	Z = 665618	14	RAD. = 1737448.3	21.3
5589G	X = 1605538	23	LAT. = 22 20 24.6	2.1
	Y = 2929	25	LONG. = 0 6 16.3	3.2
	Z = 659795	22	RAD. = 1735825.2	26.1
Y2095	X = 1610976	23	LAT. = 22 4 38.8	1.5
	Y = 9378	24	LONG. = 0 20 .7	3.1
	Z = 653422	15	RAD. = 1738474.4	24.5
V6901	X = 1612686	25	LAT. = 22 1 12.0	1.6
	Y = 22558	24	LONG. = 0 48 5.1	3.1
	Z = 652287	14	RAD. = 1739754.1	25.1
94614	X = 1616962	22	LAT. = 21 34 59.7	1.4
	Y = 12634	24	LONG. = 0 26 51.6	3.1
	Z = 639674	14	RAD. = 1738938.8	22.9

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y2099	X = 1630707 Y = 6223 Z = 599326	22 24 17	LAT. = 20 10 46.3 LONG. = 0 13 7.1 RAD. = 1737364.1	1.6 3.0 23.9
94494	X = 1636251 Y = 24663 Z = 586926	22 24 16	LAT. = 19 43 51.3 LONG. = 0 51 48.8 RAD. = 1738507.5	1.6 3.0 23.7
V6906	X = 1635955 Y = 12025 Z = 584424	29 25 17	LAT. = 19 39 29.3 LONG. = 0 25 16.1 RAD. = 1737251.9	1.5 3.2 31.3
E4699	X = 1651220 Y = 24236 Z = 538216	24 26 22	LAT. = 18 3 5.8 LONG. = 0 50 27.3 RAD. = 1736891.1	2.2 3.2 27.3
V6911	X = 1657513 Y = 20440 Z = 517234	27 25 28	LAT. = 17 19 46.2 LONG. = 0 42 23.5 RAD. = 1736461.5	2.6 3.2 31.6
36843	X = 1586163 Y = 38189 Z = 702443	20 23 13	LAT. = 23 52 49.3 LONG. = 1 22 45.1 RAD. = 1735165.0	1.3 3.0 21.5
B618C	X = 1594623 Y = 39586 Z = 693469	22 25 19	LAT. = 23 29 48.4 LONG. = 1 25 19.4 RAD. = 1739336.0	1.8 3.2 25.2
9588E	X = 1602255 Y = 39566 Z = 673117	45 30 19	LAT. = 22 46 52.8 LONG. = 1 24 52.5 RAD. = 1738354.1	3.3 3.9 39.6
B618E	X = 1602572 Y = 40082 Z = 669728	22 25 22	LAT. = 22 40 26.7 LONG. = 1 25 57.8 RAD. = 1737347.9	2.1 3.2 25.5
V6778	X = 1607843 Y = 48840 Z = 655580	27 24 15	LAT. = 22 10 24.3 LONG. = 1 44 23.7 RAD. = 1737046.5	2.0 3.1 26.3
94490	X = 1607962 Y = 48836 Z = 655258	22 24 14	LAT. = 22 9 43.5 LONG. = 1 44 22.7 RAD. = 1737035.2	1.4 3.0 22.8
V6794	X = 1633305 Y = 37593 Z = 591649	22 24 15	LAT. = 19 54 27.2 LONG. = 1 19 6.6 RAD. = 1737569.0	1.4 3.0 23.2

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4695	X = 1633074 Y = 44525 Z = 591537	37 30 20	LAT. = 19 54 17.1 LONG. = 1 33 42.3 RAD. = 1737478.3	1.8 3.7 39.7
1824	X = 1633676 Y = 33914 Z = 590457	21 25 15	LAT. = 19 52 2.4 LONG. = 1 11 21.3 RAD. = 1737436.8	1.6 3.2 22.2
E4697	X = 1639951 Y = 37264 Z = 569840	21 24 16	LAT. = 19 9 23.0 LONG. = 1 18 6.1 RAD. = 1736532.4	1.5 3.0 23.2
9447E	X = 1648763 Y = 49374 Z = 542732	24 24 19	LAT. = 18 12 45.5 LONG. = 1 42 55.0 RAD. = 1736494.6	1.8 3.0 26.2
Z5289	X = 1585772 Y = 61279 Z = 703525	26 24 15	LAT. = 23 54 30.8 LONG. = 2 12 46.7 RAD. = 1735907.6	1.9 3.2 24.9
A6399	X = 1589645 Y = 79939 Z = 633651	22 24 21	LAT. = 23 32 52.1 LONG. = 2 52 43.7 RAD. = 1736235.5	2.0 3.2 25.3
V6767	X = 1603716 Y = 80412 Z = 662667	24 23 13	LAT. = 22 25 31.4 LONG. = 2 52 13.7 RAD. = 1737095.0	1.6 3.0 24.0
5579F	X = 1604149 Y = 77917 Z = 661680	23 25 21	LAT. = 22 23 29.0 LONG. = 2 46 50.8 RAD. = 1737005.0	2.0 3.2 26.3
65797	X = 1609022 Y = 76776 Z = 648988	21 23 14	LAT. = 21 56 37.5 LONG. = 2 43 54.6 RAD. = 1736672.9	1.4 3.0 22.0
5579G	X = 1610193 Y = 79042 Z = 645863	23 25 23	LAT. = 21 49 56.5 LONG. = 2 48 37.2 RAD. = 1736695.0	2.2 3.2 26.3
2900	X = 1616360 Y = 57235 Z = 633813	21 25 15	LAT. = 21 23 56.9 LONG. = 2 1 40.8 RAD. = 1737128.0	1.6 3.2 21.3
65799	X = 1619275 Y = 76542 Z = 622301	21 24 18	LAT. = 21 0 2.9 LONG. = 2 42 22.7 RAD. = 1736424.1	1.7 3.0 23.5

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4693	X = 1622433 Y = 56739 Z = 618914	22 24 14	LAT. = 20 52 7.8 LONG. = 2 0 10.5 RAD. = 1737401.7	1.4 3.0 23.0
D4898	X = 1626722 Y = 62093 Z = 605052	24 25 21	LAT. = 20 23 19.8 LONG. = 2 11 9.4 RAD. = 1736711.4	2.0 3.2 27.1
Y2055	X = 1633324 Y = 80272 Z = 585387	21 23 14	LAT. = 19 41 45.0 LONG. = 2 48 49.1 RAD. = 1736914.0	1.4 2.9 22.0
E4686	X = 1644241 Y = 67521 Z = 554899	24 24 21	LAT. = 18 38 2.1 LONG. = 2 21 5.5 RAD. = 1736663.3	2.0 3.1 27.7
V6788	X = 1654476 Y = 65990 Z = 523156	23 24 21	LAT. = 17 32 3.2 LONG. = 2 17 2.7 RAD. = 1736472.8	2.0 3.0 26.2
94454	X = 1656576 Y = 83776 Z = 513952	25 25 21	LAT. = 17 12 56.8 LONG. = 2 53 42.3 RAD. = 1736493.4	2.0 3.1 28.0
94455	X = 1663274 Y = 71262 Z = 492402	25 26 23	LAT. = 16 28 36.3 LONG. = 2 27 11.9 RAD. = 1736092.6	2.3 3.2 28.1
6669J	X = 1587354 Y = 91252 Z = 697772	26 24 16	LAT. = 23 41 40.7 LONG. = 3 17 24.5 RAD. = 1736348.4	1.6 3.2 26.6
5669J	X = 1587448 Y = 91227 Z = 697793	24 24 18	LAT. = 23 41 38.4 LONG. = 3 17 20.6 RAD. = 1736441.3	1.7 3.2 26.3
36699	X = 1587401 Y = 91245 Z = 697767	21 23 17	LAT. = 23 41 37.8 LONG. = 3 17 23.2 RAD. = 1736388.8	1.6 3.1 23.3
85049	X = 1590397 Y = 100069 Z = 692019	21 23 13	LAT. = 23 28 25.0 LONG. = 3 36 1.2 RAD. = 1737315.8	1.4 3.0 21.7
65794	X = 1590986 Y = 104004 Z = 690933	36 26 19	LAT. = 23 25 47.0 LONG. = 3 44 24.6 RAD. = 1737654.5	1.8 3.4 38.3

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65795	X = 1596865 Y = 85813 Z = 677914	20 23 14	LAT. = 22 58 22.3 LONG. = 3 4 33.7 RAD. = 1736925.5	1.4 3.0 21.3
85051	X = 1599053 Y = 93161 Z = 672950	25 24 17	LAT. = 22 47 19.5 LONG. = 3 20 3.5 RAD. = 1737386.3	1.6 3.2 26.1
B6055	X = 1599019 Y = 106554 Z = 673034	22 24 21	LAT. = 22 46 51.9 LONG. = 3 48 44.7 RAD. = 1738156.8	1.9 3.1 25.4
Y2049	X = 1601161 Y = 87900 Z = 668942	24 24 14	LAT. = 22 38 37.8 LONG. = 3 8 32.1 RAD. = 1737505.8	1.5 3.1 24.3
E578E	X = 1601961 Y = 102416 Z = 664879	28 24 14	LAT. = 22 29 56.7 LONG. = 3 39 29.0 RAD. = 1737478.2	1.8 3.1 26.9
2706	X = 1605579 Y = 93162 Z = 656196	20 24 14	LAT. = 22 11 45.6 LONG. = 3 19 14.9 RAD. = 1736996.6	1.5 3.1 20.9
94467	X = 1610181 Y = 85904 Z = 644781	21 23 13	LAT. = 21 47 42.2 LONG. = 3 3 13.9 RAD. = 1736607.1	1.3 3.0 21.6
V6746	X = 1611525 Y = 104256 Z = 638693	27 24 14	LAT. = 21 34 44.0 LONG. = 3 42 5.5 RAD. = 1736608.9	1.7 3.1 25.9
1822	X = 1628852 Y = 112129 Z = 592451	21 24 15	LAT. = 19 56 38.5 LONG. = 3 56 16.7 RAD. = 1736874.1	1.6 3.1 21.2
E4651	X = 1638768 Y = 113802 Z = 563093	21 23 15	LAT. = 18 55 14.9 LONG. = 3 58 20.8 RAD. = 1736543.8	1.5 2.9 22.6
94451	X = 1639838 Y = 104906 Z = 561944	27 25 17	LAT. = 18 52 47.5 LONG. = 3 39 37.6 RAD. = 1736621.6	1.7 3.1 27.9
V6766	X = 1653738 Y = 97198 Z = 519752	23 24 21	LAT. = 17 25 8.8 LONG. = 3 21 49.3 RAD. = 1736213.5	2.1 3.0 25.8

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4655	X = 1655312 Y = 99165 Z = 514238	24 25 22	LAT. = 17 13 43.8 LONG. = 3 25 42.0 RAD. = 1736183.5	2.1 3.1 27.1
46255	X = 1592219 Y = 116380 Z = 685446	22 24 21	LAT. = 23 14 10.9 LONG. = 4 10 49.7 RAD. = 1737395.7	2.0 3.2 25.0
V6723	X = 1601655 Y = 132172 Z = 662219	33 24 16	LAT. = 22 23 40.3 LONG. = 4 43 2.9 RAD. = 1738189.5	2.4 3.1 29.5
94445	X = 1614004 Y = 122610 Z = 629524	21 23 13	LAT. = 21 15 7.1 LONG. = 4 20 39.1 RAD. = 1736761.8	1.3 2.9 21.3
2898	X = 1616615 Y = 133316 Z = 620140	20 23 14	LAT. = 20 55 19.8 LONG. = 4 42 51.4 RAD. = 1736602.8	1.5 3.0 20.7
E4650	X = 1629534 Y = 123908 Z = 588755	26 24 16	LAT. = 19 48 43.7 LONG. = 4 21 5.4 RAD. = 1737063.6	1.7 3.1 26.8
Y2022	X = 1630450 Y = 118741 Z = 586342	21 23 14	LAT. = 19 43 53.0 LONG. = 4 9 55.2 RAD. = 1736739.2	1.4 2.9 22.1
D4855	X = 1634269 Y = 133598 Z = 572016	24 25 22	LAT. = 19 13 52.7 LONG. = 4 40 24.3 RAD. = 1736630.1	2.1 3.1 26.6
Z5255	X = 1644645 Y = 116988 Z = 544173	22 24 20	LAT. = 18 15 54.2 LONG. = 4 4 7.5 RAD. = 1736279.9	2.0 3.0 24.6
94430	X = 1649932 Y = 127087 Z = 525430	24 23 22	LAT. = 17 36 55.6 LONG. = 4 24 16.3 RAD. = 1736232.2	2.0 3.0 27.2
94298	X = 1661767 Y = 142892 Z = 481683	23 24 20	LAT. = 16 6 30.7 LONG. = 4 54 52.8 RAD. = 1736060.9	1.9 3.0 25.5
1674	X = 1578926 Y = 160568 Z = 704788	25 24 16	LAT. = 23 56 42.4 LONG. = 5 48 24.2 RAD. = 1736523.5	1.6 3.2 26.0

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
36655	X = 1582352 Y = 162021 Z = 695881	21 23 15	LAT. = 23 37 43.8 LONG. = 5 50 46.6 RAD. = 1736184.6	1.5 3.0 21.6
A6355	X = 1584711 Y = 153511 Z = 692922	21 23 15	LAT. = 23 31 10.2 LONG. = 5 31 58.8 RAD. = 1736380.2	1.4 3.0 21.8
Z5245	X = 1588898 Y = 139149 Z = 688296	26 23 14	LAT. = 23 29 31.6 LONG. = 5 0 17.3 RAD. = 1737155.6	1.9 3.1 24.3
65750	X = 1594061 Y = 155560 Z = 672934	22 23 16	LAT. = 22 47 23.8 LONG. = 5 34 25.3 RAD. = 1737259.2	1.5 3.0 23.6
65752	X = 1602291 Y = 152832 Z = 654139	20 23 14	LAT. = 22 7 2.0 LONG. = 5 26 54.9 RAD. = 1737409.7	1.4 3.0 21.1
D4849	X = 1601928 Y = 160087 Z = 652691	21 22 15	LAT. = 22 4 7.3 LONG. = 5 42 24.6 RAD. = 1737183.3	1.3 2.9 21.3
8 951	X = 1602763 Y = 163941 Z = 649651	25 24 17	LAT. = 21 57 38.2 LONG. = 5 50 24.9 RAD. = 1737178.0	1.6 3.1 26.1
5575B	X = 1605599 Y = 141165 Z = 648374	23 24 21	LAT. = 21 54 48.1 LONG. = 5 1 28.4 RAD. = 1737315.1	2.0 3.2 26.0
65753	X = 1609839 Y = 152712 Z = 633075	20 22 13	LAT. = 21 22 48.5 LONG. = 5 25 8.3 RAD. = 1736573.2	1.3 2.9 20.9
V6716	X = 1619786 Y = 144971 Z = 608745	30 23 14	LAT. = 20 31 19.1 LONG. = 5 6 51.7 RAD. = 1736459.8	1.5 3.0 29.9
65744	X = 1617692 Y = 168350 Z = 607829	30 27 35	LAT. = 20 29 30.2 LONG. = 5 56 28.5 RAD. = 1736296.2	3.0 3.4 38.8
6575E	X = 1620068 Y = 144919 Z = 607658	23 24 23	LAT. = 20 29 6.6 LONG. = 5 6 41.9 RAD. = 1736338.0	2.2 3.1 26.4

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1821	X = 1625470 Y = 151077 Z = 592160	21 23 14	LAT. = 19 56 15.4 LONG. = 5 18 36.1 RAD. = 1736556.7	1.5 3.0 20.9
Y1899	X = 1631307 Y = 161184 Z = 573937	21 22 14	LAT. = 19 17 46.5 LONG. = 5 38 34.4 RAD. = 1736820.8	1.4 2.9 22.1
94294	X = 1639406 Y = 170772 Z = 545473	25 23 15	LAT. = 18 18 40.3 LONG. = 5 56 48.7 RAD. = 1736190.4	1.5 3.0 25.4
94295	X = 1649792 Y = 156624 Z = 518964	24 23 17	LAT. = 17 23 17.6 LONG. = 5 25 23.3 RAD. = 1736567.8	1.6 3.0 25.4
E4555	X = 1658053 Y = 172993 Z = 485967	24 25 22	LAT. = 16 15 7.4 LONG. = 5 57 23.1 RAD. = 1736442.1	2.1 3.1 26.8
D4845	X = 1578027 Y = 176571 Z = 701276	23 23 13	LAT. = 23 49 42.2 LONG. = 6 23 4.1 RAD. = 1735838.8	1.6 3.0 22.6
36633	X = 1578191 Y = 185684 Z = 698481	20 22 14	LAT. = 23 43 40.6 LONG. = 6 42 37.2 RAD. = 1735810.9	1.4 3.0 20.7
46155	X = 1585809 Y = 187527 Z = 681368	22 24 21	LAT. = 23 6 27.3 LONG. = 6 44 38.8 RAD. = 1736150.5	2.0 3 2.9
84949	X = 1590220 Y = 171518 Z = 675791	26 24 15	LAT. = 22 54 17.4 LONG. = 6 9 21.7 RAD. = 1736350.0	1.7 3.2 26.2
65728	X = 1590622 Y = 181965 Z = 672098	22 23 17	LAT. = 22 46 21.5 LONG. = 6 31 34.3 RAD. = 1736348.2	1.6 3.1 23.9
V6701	X = 1598966 Y = 169197 Z = 658833	33 23 15	LAT. = 22 16 52.8 LONG. = 6 2 25.3 RAD. = 1737636.6	2.4 3.1 29.6
B5955	X = 1599358 Y = 176686 Z = 657539	22 24 22	LAT. = 22 13 36.9 LONG. = 6 18 14.7 RAD. = 1738252.5	2.1 3.1 25.3

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2704	X = 1602963 Y = 170044 Z = 647744	20 23 14	LAT. = 21 53 31.6 LONG. = 6 3 19.2 RAD. = 1737232.6	1.5 3.0 20.6
94289	X = 1614741 Y = 196002 Z = 608181	21 22 13	LAT. = 20 30 2.6 LONG. = 6 55 15.2 RAD. = 1736573.7	1.4 2.9 21.6
94290	X = 1618990 Y = 193067 Z = 597528	21 22 13	LAT. = 20 7 36.4 LONG. = 6 48 1.8 RAD. = 1736503.7	1.4 2.9 21.6
V6706	X = 1622512 Y = 172339 Z = 593912	24 22 14	LAT. = 20 0 4.9 LONG. = 6 3 47.0 RAD. = 1736368.7	1.4 2.9 25.3
V6594	X = 1621797 Y = 193122 Z = 589189	24 23 15	LAT. = 19 50 12.1 LONG. = 6 47 26.7 RAD. = 1736278.8	1.5 3.0 25.2
V6707	X = 1628193 Y = 180898 Z = 574919	29 23 18	LAT. = 19 20 17.5 LONG. = 6 20 23.2 RAD. = 1736164.9	1.6 3.1 30.2
E4551	X = 1640739 Y = 189977 Z = 535365	21 23 15	LAT. = 17 57 32.5 LONG. = 6 36 17.0 RAD. = 1736297.8	1.5 2.9 22.0
94283	X = 1644659 Y = 194290 Z = 523109	34 24 31	LAT. = 17 31 46.9 LONG. = 6 44 14.4 RAD. = 1736748.5	2.7 3.1 39.1
V6.11	X = 1646112 Y = 183391 Z = 522760	26 23 27	LAT. = 17 31 .3 LONG. = 6 21 25.3 RAD. = 1736835.1	2.5 3.0 30.1
84927	X = 1588252 Y = 206610 Z = 668511	23 22 13	LAT. = 22 39 19.1 LONG. = 7 24 42.4 RAD. = 1735551.7	1.5 2.9 22.2
V6589	X = 1596293 Y = 200112 Z = 655019	27 23 14	LAT. = 22 9 13.5 LONG. = 7 8 43.3 RAD. = 1737022.2	1.9 3.0 25.2
65596	X = 1604587 Y = 222777 Z = 628995	21 23 16	LAT. = 21 13 11.6 LONG. = 7 54 15.5 RAD. = 1737804.3	1.6 3.0 22.5

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

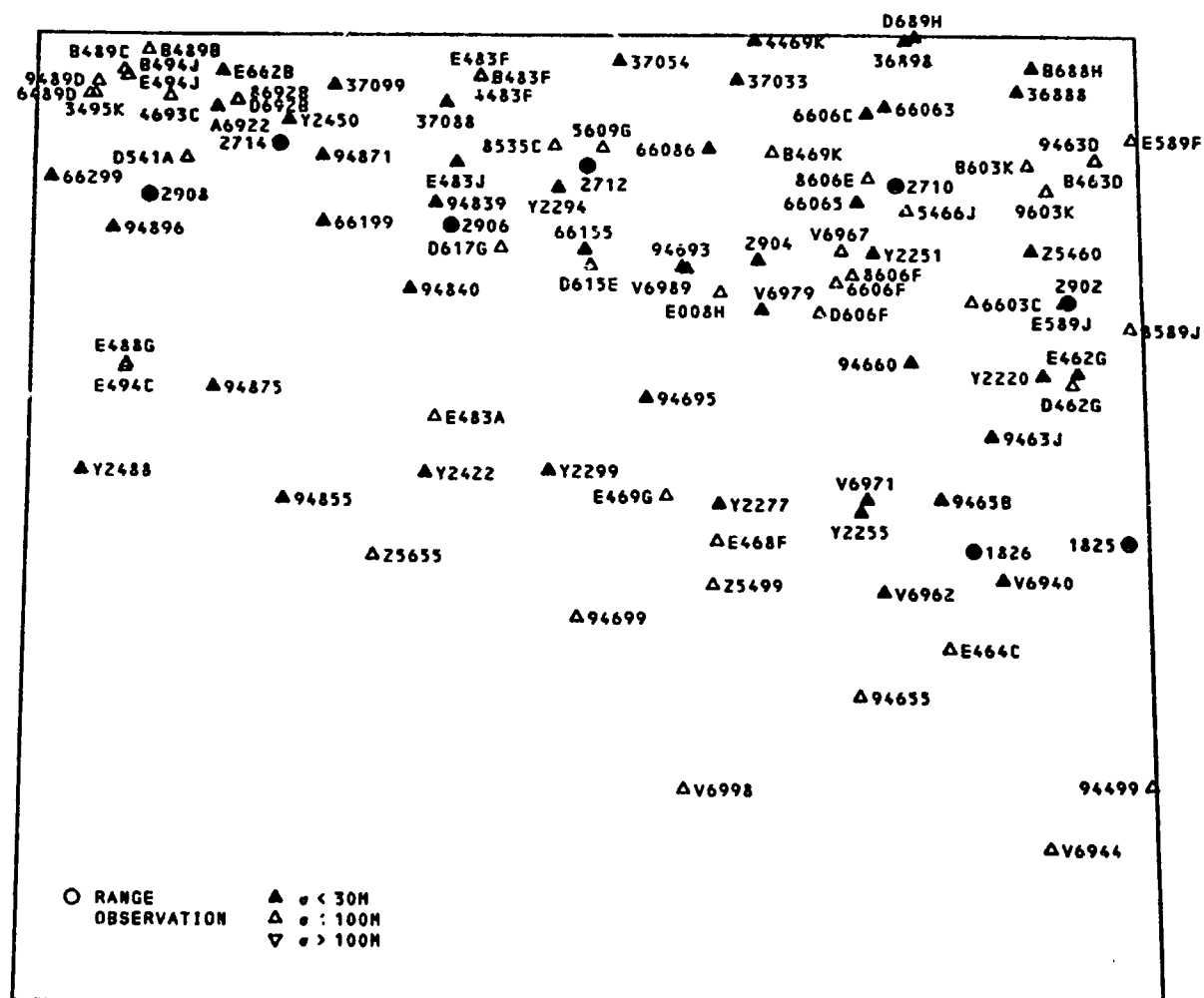
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6592	X = 1611877 Y = 200807 Z = 614606	22 22 13	LAT. = 20 43 31.2 LONG. = 7 6 4.7 RAD. = 1736724.0	1.4 2.9 22.0
E4545	X = 1610317 Y = 223313 Z = 614095	29 24 16	LAT. = 20 41 35.9 LONG. = 7 53 42.8 RAD. = 1737844.1	2.1 3.1 26.4
2896	X = 1614028 Y = 210070 Z = 607329	20 23 14	LAT. = 20 27 44.2 LONG. = 7 24 55.8 RAD. = 1737258.0	1.5 3.0 20.1
65598	X = 1614813 Y = 218169 Z = 602463	21 22 14	LAT. = 20 17 26.4 LONG. = 7 41 39.7 RAD. = 1737291.1	1.5 2.9 21.2
94280	X = 1624206 Y = 219457 Z = 573351	22 23 15	LAT. = 19 16 52.0 LONG. = 7 41 42.1 RAD. = 1736357.6	1.6 3.0 22.3
9428K	X = 1624042 Y = 222038 Z = 573007	24 23 16	LAT. = 19 16 6.2 LONG. = 7 47 6.7 RAD. = 1736418.7	1.5 2.9 25.0
E4550	X = 1632211 Y = 200469 Z = 556727	21 22 14	LAT. = 18 42 11.6 LONG. = 7 0 7.3 RAD. = 1736158.1	1.4 2.9 21.9
94281	X = 1633969 Y = 204729 Z = 550380	21 22 15	LAT. = 18 28 51.0 LONG. = 7 8 30.0 RAD. = 1736284.9	1.4 2.9 22.1
36498	X = 1569768 Y = 234925 Z = 699834	21 22 14	LAT. = 23 47 35.4 LONG. = 8 30 41.3 RAD. = 1734683.7	1.5 3.0 21.1
A6198	X = 1572494 Y = 225752 Z = 696789	21 22 15	LAT. = 23 40 58.5 LONG. = 8 10 11.0 RAD. = 1734709.5	1.4 3.0 21.7
A6199	X = 1576110 Y = 231666 Z = 686991	22 23 21	LAT. = 23 19 40.2 LONG. = 8 21 42.5 RAD. = 1734862.8	2.0 3.1 25.0
D4689	X = 1575244 Y = 249201 Z = 683195	32 25 15	LAT. = 23 11 21.6 LONG. = 8 59 22.6 RAD. = 1735007.8	2.3 3.2 30.2

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5559C	X = 1582123 Y = 232741 Z = 672468	24 23 18	LAT. = 22 48 27.1 LONG. = 8 22 6.9 RAD. = 1734790.0	1.7 3.1 26.1
65593	X = 1582163 Y = 232714 Z = 672371	23 23 15	LAT. = 22 48 14.8 LONG. = 8 22 2.7 RAD. = 1734785.3	1.5 3.0 23.4
D4690	X = 1581491 Y = 243618 Z = 670042	29 25 17	LAT. = 22 43 15.4 LONG. = 8 45 25.9 RAD. = 1734767.8	2.2 3.3 26.6
84905	X = 1586199 Y = 250164 Z = 656294	24 22 13	LAT. = 22 13 47.6 LONG. = 8 57 44.9 RAD. = 1734742.2	1.6 2.9 23.5
B5855	X = 1591403 Y = 251207 Z = 646142	22 23 22	LAT. = 21 51 12.5 LONG. = 8 58 13.0 RAD. = 1735847.5	2.1 3.1 25.4
D4692	X = 1597831 Y = 236210 Z = 639936	22 22 13	LAT. = 21 36 48.0 LONG. = 8 24 33.2 RAD. = 1737347.5	1.4 2.9 22.1
2702	X = 1596455 Y = 246598 Z = 637885	20 23 14	LAT. = 21 32 53.2 LONG. = 8 46 51.1 RAD. = 1736771.9	1.5 3.0 20.2
84907	X = 1604184 Y = 236366 Z = 624539	24 24 17	LAT. = 21 3 55.2 LONG. = 8 22 54.6 RAD. = 1737627.4	1.6 3.1 25.5
D4694	X = 1610089 Y = 228114 Z = 612763	25 24 16	LAT. = 20 38 49.6 LONG. = 8 3 50.0 RAD. = 1737785.9	1.6 3.1 26.1
Y1855	X = 1623430 Y = 235877 Z = 569770	21 22 16	LAT. = 19 9 11.2 LONG. = 8 16 1.1 RAD. = 1736606.1	1.5 2.9 22.7
94250	X = 1641136 Y = 241763 Z = 511614	27 24 16	LAT. = 17 8 26.0 LONG. = 8 22 48.8 RAD. = 1735950.7	1.7 3.0 27.1
36488	X = 1572185 Y = 258405 Z = 686088	20 21 13	LAT. = 23 17 50.5 LONG. = 9 20 1.3 RAD. = 1734720.1	1.3 2.9 19.9

TERRAIN POINTS ON MAP SHEET 41C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65582	X = 1581522 Y = 262910 Z = 662904	22 22 13	LAT. = 22 27 51.1 LONG. = 9 26 18.4 RAD. = 1734870.2	1.4 2.9 21.8
45588	X = 1581492 Y = 262830 Z = 662800	22 23 22	LAT. = 22 27 41.5 LONG. = 9 26 8.9 RAD. = 1734791.3	2.1 3.1 25.0
V6490	X = 1591573 Y = 261774 Z = 639392	24 22 14	LAT. = 21 37 25.9 LONG. = 9 20 24.4 RAD. = 1735065.2	1.6 3.0 22.8
25049	X = 1602478 Y = 281107 Z = 603147	23 22 14	LAT. = 20 20 27.2 LONG. = 9 56 58.5 RAD. = 1735149.4	1.5 2.9 23.5
1818	X = 1609727 Y = 267081 Z = 590714	20 22 14	LAT. = 19 54 3.9 LONG. = 9 25 13.8 RAD. = 1735366.7	1.5 2.9 20.0
94246	X = 1612933 Y = 270276 Z = 581954	22 22 13	LAT. = 19 35 16.0 LONG. = 9 30 45.2 RAD. = 1735877.9	1.5 2.9 21.6
25051	X = 1611714 Y = 280114 Z = 581145	23 22 15	LAT. = 19 33 27.4 LONG. = 9 51 34.0 RAD. = 1736034.6	1.5 2.9 23.4
94247	X = 1621482 Y = 265027 Z = 564781	22 22 14	LAT. = 18 58 13.5 LONG. = 9 16 58.0 RAD. = 1737360.2	1.5 2.9 21.7
E4505	X = 1630838 Y = 270390 Z = 532489	27 23 15	LAT. = 17 51 16.4 LONG. = 9 24 50.0 RAD. = 1736746.6	1.7 3.0 26.6
V6499	X = 1632870 Y = 267057 Z = 527979	20 22 15	LAT. = 17 41 53.2 LONG. = 9 17 18.7 RAD. = 1736763.4	1.5 2.8 21.1
E4507	X = 1638427 Y = 265293 Z = 509008	26 24 17	LAT. = 17 2 58.0 LONG. = 9 11 50.8 RAD. = 1736062.0	1.7 3.0 26.8



TERRAIN POINTS ON MAP SHEET 41D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B489B	X = 1567224 Y = -248375 Z = 701986	23 27 21	LAT. = 23 51 51.8 LONG. = - 9 0 19.4 RAD. = 1735126.8	1.9 3.4 27.0
B489C	X = 1568270 Y = -254569 Z = 697349	27 29 33	LAT. = 23 41 50.8 LONG. = - 9 13 12.4 RAD. = 1735099.6	2.9 3.6 36.5
E494J	X = 1569006 Y = -253719 Z = 696106	35 30 23	LAT. = 23 39 7.3 LONG. = - 9 11 8.2 RAD. = 1735142.0	1.9 3.6 40.6
B494J	X = 1569012 Y = -253736 Z = 696093	23 27 21	LAT. = 23 39 5.4 LONG. = - 9 11 10.2 RAD. = 1735144.6	2.0 3.4 27.0
9489D	X = 1568428 Y = -261058 Z = 694665	27 27 17	LAT. = 23 36 .9 LONG. = - 9 27 .0 RAD. = 1735130.5	1.7 3.4 28.9
3495K	X = 1569481 Y = -261914 Z = 691920	29 28 32	LAT. = 23 30 5.8 LONG. = - 9 28 27.1 RAD. = 1735114.4	2.8 3.6 30.1
6489D	X = 1569313 Y = -263248 Z = 691796	24 27 21	LAT. = 23 29 49.7 LONG. = - 9 31 21.2 RAD. = 1735114.9	1.9 3.4 28.0
66299	X = 1575829 Y = -273630 Z = 672775	22 26 17	LAT. = 22 48 48.7 LONG. = - 9 51 2.7 RAD. = 1735147.6	1.6 3.3 25.1
94896	X = 1583298 Y = -258844 Z = 661142	22 26 15	LAT. = 22 23 48.0 LONG. = - 9 17 5.3 RAD. = 1735207.1	1.4 3.2 24.8
E488G	X = 1596471 Y = -256942 Z = 629608	24 27 23	LAT. = 21 16 26.9 LONG. = - 9 8 34.7 RAD. = 1735265.2	2.2 3.4 29.1
E494C	X = 1596714 Y = -257240 Z = 628705	24 27 23	LAT. = 21 14 34.5 LONG. = - 9 9 7.3 RAD. = 1735205.5	2.2 3.4 29.1
Y2488	X = 1604036 Y = -268998 Z = 604720	22 26 19	LAT. = 20 23 43.7 LONG. = - 9 31 11.8 RAD. = 1735217.1	1.8 3.2 25.9

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E662B	X = 1572355 Y = -230215 Z = 697294	26 27 17	LAT. = 23 41 29.5 LONG. = - 8 19 47.1 RAD. = 1735372.9	1.7 3.4 29.0
4693C	X = 1572722 Y = -243511 Z = 691389	22 27 22	LAT. = 23 28 54.8 LONG. = - 8 48 5.2 RAD. = 1735157.9	2.0 3.4 26.6
8692B	X = 1575753 Y = -226696 Z = 690725	24 27 24	LAT. = 23 27 18.1 LONG. = - 8 11 12.1 RAD. = 1735364.1	2.2 3.5 28.7
D692B	X = 1575770 Y = -226723 Z = 690601	24 27 21	LAT. = 23 27 3.6 LONG. = - 8 11 15.3 RAD. = 1735334.2	2.0 3.4 28.4
A6922	X = 1575679 Y = -231936 Z = 689021	21 26 15	LAT. = 23 23 40.0 LONG. = - 8 22 25.2 RAD. = 1735312.0	1.4 3.2 23.5
D541A	X = 1579437 Y = -239949 Z = 677304	24 27 23	LAT. = 22 58 30.3 LONG. = - 8 38 18.0 RAD. = 1735204.8	2.1 3.4 28.5
2908	X = 1581525 Y = -249545 Z = 668894	21 27 15	LAT. = 22 40 26.0 LONG. = - 8 57 50.9 RAD. = 1735198.3	1.5 3.3 23.0
94875	X = 1601995 Y = -235529 Z = 624261	22 26 16	LAT. = 21 4 59.8 LONG. = - 8 21 49.9 RAD. = 1735385.8	1.5 3.2 24.8
37099	X = 1577501 Y = -202278 Z = 694200	20 25 14	LAT. = 23 34 50.8 LONG. = - 7 18 25.2 RAD. = 1735321.2	1.4 3.2 23.0
Y2450	X = 1579460 Y = -214095 Z = 686195	24 26 15	LAT. = 23 17 32.9 LONG. = - 7 43 9.8 RAD. = 1735337.4	1.5 3.3 26.1
2714	X = 1581478 Y = -216560 Z = 680884	21 26 15	LAT. = 23 6 3.4 LONG. = - 7 47 50.4 RAD. = 1735388.4	1.5 3.3 22.8
94871	X = 1584150 Y = -205942 Z = 677942	22 26 16	LAT. = 22 59 43.8 LONG. = - 7 24 25.2 RAD. = 1735381.2	1.5 3.2 24.9

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
66199	X = 1590552 Y = -206284 Z = 662658	22 26 15	LAT. = 22 26 54.6 LONG. = - 7 23 22.7 RAD. = 1735374.3	1.4 3.2 24.3
94855	X = 1614292 Y = -218714 Z = 598015	21 26 18	LAT. = 20 9 28.8 LONG. = - 7 42 56.9 RAD. = 1735337.3	1.7 3.2 24.7
37088	X = 1582593 Y = -174248 Z = 690078	21 25 17	LAT. = 23 25 59.0 LONG. = - 6 16 59.2 RAD. = 1735272.0	1.6 3.2 23.9
E483J	X = 1588868 Y = -172112 Z = 676414	27 27 17	LAT. = 22 56 24.9 LONG. = - 6 10 56.6 RAD. = 1735413.4	1.7 3.4 28.8
94839	X = 1592125 Y = -177833 Z = 667058	21 25 14	LAT. = 22 36 21.9 LONG. = - 6 22 23.8 RAD. = 1735354.1	1.3 3.2 23.5
2906	X = 1594672 Y = -174172 Z = 661896	21 26 15	LAT. = 22 25 18.1 LONG. = - 6 13 59.5 RAD. = 1735344.9	1.5 3.3 22.5
94840	X = 1599486 Y = -185016 Z = 647107	23 26 16	LAT. = 21 53 41.2 LONG. = - 6 35 53.5 RAD. = 1735319.3	1.5 3.2 25.7
E483A	X = 1611808 Y = -179817 Z = 617283	25 28 23	LAT. = 20 50 15.2 LONG. = - 6 21 56.6 RAD. = 1735309.6	2.3 3.5 28.7
Y2422	X = 1616544 Y = -182714 Z = 604211	22 26 18	LAT. = 20 22 30.4 LONG. = - 6 26 55.1 RAD. = 1735416.5	1.7 3.2 25.2
Z5655	X = 1621951 Y = -196499 Z = 584743	23 26 21	LAT. = 19 41 32.4 LONG. = - 6 54 27.7 RAD. = 1735298.9	2.0 3.2 26.4
E483F	X = 1580828 Y = -165346 Z = 696226	27 28 17	LAT. = 23 39 17.3 LONG. = - 5 58 16.0 RAD. = 1735248.4	1.9 3.5 28.8
R483F	X = 1580901 Y = -165403 Z = 696233	29 28 32	LAT. = 23 39 14.4 LONG. = - 5 58 22.4 RAD. = 1735323.7	2.8 3.6 36.4

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4483F	X = 1580912 Y = -165355 Z = 696186	28 28 33	LAT. = 23 39 8.9 LONG. = - 5 58 16.1 RAD. = 1735309.2	2.9 3.6 35.5
8535C	X = 1589687 Y = -147315 Z = 680363	23 27 22	LAT. = 23 4 54.3 LONG. = - 5 17 39.9 RAD. = 1735424.9	2.1 3.4 27.5
Y2294	X = 1593963 Y = -146745 Z = 670665	23 25 15	LAT. = 22 43 58.0 LONG. = - 5 15 35.9 RAD. = 1735524.4	1.4 3.2 25.1
D617G	X = 1598068 Y = -161768 Z = 656631	32 31 35	LAT. = 22 14 5.4 LONG. = - 5 46 48.7 RAD. = 1735267.7	3.0 4.1 39.8
66155	X = 1600310 Y = -140562 Z = 656310	21 25 14	LAT. = 22 13 19.0 LONG. = - 5 1 10.6 RAD. = 1735372.6	1.4 3.1 23.2
Y2299	X = 1619466 Y = -151460 Z = 604820	22 25 18	LAT. = 20 23 50.8 LONG. = - 5 20 34.9 RAD. = 1735343.7	1.7 3.1 25.0
94699	X = 1632492 Y = -145435 Z = 570197	25 27 24	LAT. = 19 10 58.4 LONG. = - 5 5 27.3 RAD. = 1735311.7	2.3 3.3 28.5
37054	X = 1582834 Y = -130226 Z = 699948	20 25 13	LAT. = 23 47 3.0 LONG. = - 4 42 12.1 RAD. = 1735582.7	1.3 3.1 22.0
5609G	X = 1590954 Y = -135236 Z = 679962	23 26 22	LAT. = 23 4 1.4 LONG. = - 4 51 31.1 RAD. = 1735445.7	2.0 3.3 26.7
2712	X = 1592460 Y = -139285 Z = 675873	20 26 14	LAT. = 22 55 8.3 LONG. = - 4 59 55.2 RAD. = 1735550.2	1.5 3.2 22.2
D615E	X = 1601835 Y = -139257 Z = 652694	31 29 35	LAT. = 22 5 38.3 LONG. = - 4 58 6.9 RAD. = 1735302.9	3.0 3.7 39.2
94693	X = 1604103 Y = -116148 Z = 652445	27 26 16	LAT. = 22 4 51.8 LONG. = - 4 8 29.0 RAD. = 1735604.0	1.7 3.3 28.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6989	X = 1604239 Y = -114943 Z = 652019	36 28 18	LAT. = 22 4 2.7 LONG. = - 4 5 53.6 RAD. = 1735489.5	2.7 3.6 33.1
94695	X = 1615207 Y = -126183 Z = 621885	25 27 15	LAT. = 20 59 57.3 LONG. = - 4 28 1.2 RAD. = 1735384.0	1.6 3.3 26.1
E469G	X = 1624118 Y = -121893 Z = 598897	26 27 23	LAT. = 20 11 21.8 LONG. = - 4 17 31.6 RAD. = 1735308.6	2.1 3.4 29.8
V6998	X = 1651494 Y = -119894 Z = 530464	28 28 28	LAT. = 17 45 48.0 LONG. = - 4 9 8.1 RAD. = 1738735.1	2.7 3.5 25.5
4469K	X = 1583311 Y = -96053 Z = 704632	22 26 20	LAT. = 23 57 6.4 LONG. = - 3 28 18.0 RAD. = 1735686.2	1.9 3.3 25.8
37033	X = 1587072 Y = -100746 Z = 695648	20 24 14	LAT. = 23 37 35.6 LONG. = - 3 37 55.9 RAD. = 1735763.4	1.3 3.1 22.2
66086	X = 1593109 Y = -108457 Z = 679746	22 25 19	LAT. = 23 3 32.9 LONG. = - 3 53 40.7 RAD. = 1735457.6	1.8 3.2 25.1
B469K	X = 1594499 Y = -92546 Z = 678922	28 27 36	LAT. = 23 1 44.8 LONG. = - 3 19 18.4 RAD. = 1735490.8	3.2 3.5 36.3
2904	X = 1604627 Y = -96911 Z = 653939	24 25 15	LAT. = 22 8 10.0 LONG. = - 3 27 22.2 RAD. = 1735470.2	1.5 3.2 25.6
E008H	X = 1607128 Y = -106692 Z = 646518	27 27 18	LAT. = 21 52 13.6 LONG. = - 3 47 53.2 RAD. = 1735577.3	1.7 3.4 29.7
V6979	X = 1609344 Y = -96443 Z = 642479	22 25 14	LAT. = 21 43 38.8 LONG. = - 3 25 46.0 RAD. = 1735531.2	1.4 3.1 23.9
Y2277	X = 1625725 Y = -108568 Z = 590967	22 25 18	LAT. = 20 7 19.4 LONG. = - 3 49 14.2 RAD. = 1735263.2	1.7 3.1 24.8

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E468F	X = 1629311 Y = -109401 Z = 588404	25 27 24	LAT. = 19 48 55.4 LONG. = - 3 50 29.0 RAD. = 1735754.0	2.2 3.3 29.5
25499	X = 1634403 Y = -110894 Z = 578572	22 25 20	LAT. = 19 27 8.7 LONG. = - 3 52 53.6 RAD. = 1737330.7	2.0 3.2 25.7
D689H	X = 1584643 Y = -55741 Z = 705387	26 26 17	LAT. = 23 58 57.3 LONG. = - 2 0 52.5 RAD. = 1735445.8	1.7 3.3 27.3
36898	X = 1584936 Y = -58255 Z = 704558	20 24 13	LAT. = 23 57 8.7 LONG. = - 2 6 17.9 RAD. = 1735459.1	1.3 3.1 21.6
66063	X = 1591327 Y = -63692 Z = 689301	2 24 13	LAT. = 23 24 13.2 LONG. = - 2 17 31.2 RAD. = 1735371.9	1.3 3.1 21.7
6606C	X = 1591935 Y = -68419 Z = 687840	22 25 14	LAT. = 23 20 55.4 LONG. = - 2 27 39.5 RAD. = 1735529.6	1.4 3.1 23.4
8606E	X = 1598373 Y = -68553 Z = 672984	24 26 21	LAT. = 22 48 51.8 LONG. = - 2 27 21.1 RAD. = 1735627.5	1.9 3.3 26.9
2710	X = 1599162 Y = -61497 Z = 671518	20 25 14	LAT. = 22 45 48.0 LONG. = - 2 12 8.2 RAD. = 1735522.0	1.5 3.2 21.8
66065	X = 1600239 Y = -71486 Z = 667397	22 25 19	LAT. = 22 37 7.8 LONG. = - 2 33 28.1 RAD. = 1735308.3	1.8 3.2 24.9
5466J	X = 1601815 Y = -59048 Z = 665589	22 25 22	LAT. = 22 33 .6 LONG. = - 2 6 40.1 RAD. = 1735599.9	2.1 3.2 26.3
V6967	X = 1604719 Y = -75838 Z = 656062	30 26 16	LAT. = 22 12 50.4 LONG. = - 2 42 20.6 RAD. = 1735307.3	2.2 3.3 28.6
Y2251	X = 1605648 Y = -67786 Z = 655747	23 25 14	LAT. = 22 11 50.1 LONG. = - 2 25 2.7 RAD. = 1735714.0	1.4 3.1 24.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8606F	X = 1607298 Y = -73264 Z = 650529	23 26 23	LAT. = 22 0 51.2 LONG. = - 2 36 35.5 RAD. = 1735500.6	2.2 3.3 26.9
6606F	X = 1607753 Y = -77360 Z = 648739	23 26 23	LAT. = 21 57 5.1 LONG. = - 2 45 17.2 RAD. = 1735429.4	2.1 3.3 27.4
D606F	X = 1610429 Y = -81891 Z = 641825	24 26 22	LAT. = 21 42 14.3 LONG. = - 2 54 39.6 RAD. = 1735547.7	2.1 3.3 27.4
94660	X = 1615775 Y = -58998 Z = 630135	22 24 15	LAT. = 21 17 32.4 LONG. = - 2 5 28.2 RAD. = 1735303.7	1.4 3.1 23.8
V6971	X = 1630802 Y = -71177 Z = 599060	27 26 15	LAT. = 20 9 9.7 LONG. = - 2 29 56.8 RAD. = 1738808.5	1.6 3.2 28.0
Y2255	X = 1631895 Y = -72805 Z = 596118	22 25 18	LAT. = 20 2 54.5 LONG. = - 2 33 16.1 RAD. = 1738889.9	1.7 3.1 24.2
V6962	X = 1638318 Y = -67445 Z = 577020	26 25 17	LAT. = 19 23 13.9 LONG. = - 2 21 26.6 RAD. = 1738270.9	1.6 3.2 28.0
94655	X = 1646783 Y = -74327 Z = 552358	23 26 23	LAT. = 18 31 29.1 LONG. = - 2 35 3.3 RAD. = 1738539.3	2.2 3.3 28.0
36888	X = 1591372 Y = -30076 Z = 693334	20 24 14	LAT. = 23 32 17.5 LONG. = - 1 4 57.8 RAD. = 1736110.8	1.4 3.1 22.2
B603k	X = 1598713 Y = -27933 Z = 676358	22 25 22	LAT. = 22 55 42.0 LONG. = - 1 0 3.5 RAD. = 173123.3	2.1 3.2 25.9
6603C	X = 1611830 Y = -47086 Z = 644777	34 26 15	LAT. = 21 47 44.7 LONG. = - 1 31 52.4 RAD. = 1736545.0	2.2 3.4 31.6
9463J	X = 1624587 Y = -38923 Z = 613461	27 26 17	LAT. = 20 40 53.8 LONG. = - 1 22 20.9 RAD. = 1736989.7	1.7 3.3 28.5

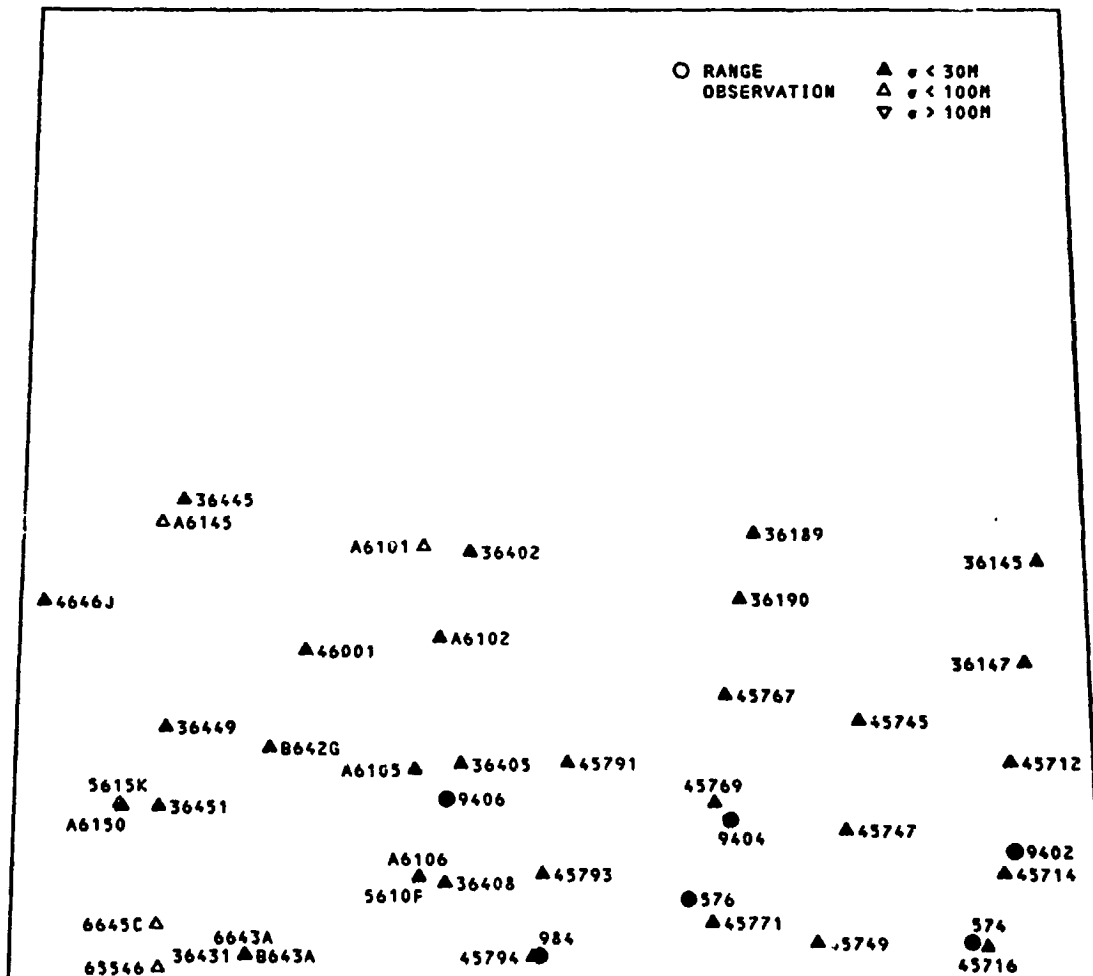
TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
9465B	X = 1631708 Y = -52364 Z = 599229	26 26 18	LAT. = 20 9 20.7 LONG. = - 1 50 17.1 RAD. = 1739048.2	1.7 3.2 28.2
1826	X = 1635738 Y = -54464 Z = 587090	23 26 15	LAT. = 19 44 13.5 LONG. = - 1 33 25.5 RAD. = 1738473.5	1.6 3.2 23.7
V6940	X = 1638017 Y = -37185 Z = 579889	22 24 15	LAT. = 19 29 25.1 LONG. = - 1 18 1.7 RAD. = 1738031.9	1.5 3.1 23.5
E464C	X = 1643951 Y = -51288 Z = 563845	34 34 33	LAT. = 18 55 21.0 LONG. = - 1 47 13.0 RAD. = 1738713.9	2.9 4.4 40.7
B688H	X = 1588578 Y = -26119 Z = 698564	23 25 20	LAT. = 23 44 3.3 LONG. = - 0 56 31.1 RAD. = 1735584.4	1.8 3.3 26.0
E589F	X = 1595413 Y = -1558 Z = 682078	30 26 16	LAT. = 23 8 52.4 LONG. = - 0 3 21.4 RAD. = 1735101.2	2.1 3.4 29.2
9463D	X = 1598301 Y = -10930 Z = 677658	30 26 16	LAT. = 22 58 32.9 LONG. = - 0 23 30.5 RAD. = 1736060.2	2.1 3.4 28.6
B463D	X = 1598317 Y = -10959 Z = 677576	28 26 34	LAT. = 22 58 23.2 LONG. = - 0 23 34.2 RAD. = 1736043.9	3.0 3.4 36.0
9603K	X = 1600580 Y = -23328 Z = 670175	30 26 16	LAT. = 22 43 2.2 LONG. = - 0 50 6.0 RAD. = 1735377.6	2.0 3.3 28.7
Z5460	X = 1606624 Y = -27538 Z = 656488	24 25 15	LAT. = 22 13 21.5 LONG. = - 0 58 55.1 RAD. = 1735792.1	1.5 3.2 25.2
Z902	X = 1611291 Y = -18683 Z = 644635	20 25 14	LAT. = 21 48 13.4 LONG. = - 0 39 51.5 RAD. = 1735558.6	1.5 3.2 21.6
E589J	X = 1611215 Y = -19852 Z = 644161	28 26 16	LAT. = 21 47 23.8 LONG. = - 0 42 21.3 RAD. = 1735324.4	1.8 3.3 29.3

TERRAIN POINTS ON MAP SHEET 41D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8589J	X = 1618288 Y = -3244 Z = 640151	23 25 21	LAT. = 21 34 56.5 LONG. = - 0 6 53.5 RAD. = 1740304.7	2.0 3.2 26.1
E462G	X = 1617764 Y = -16775 Z = 627778	28 26 17	LAT. = 21 12 28.3 LONG. = - 0 35 38.7 RAD. = 1735380.9	1.7 3.3 29.3
Y2220	X = 1617722 Y = -25489 Z = 627066	22 24 15	LAT. = 21 11 6.3 LONG. = - 0 54 9.7 RAD. = 1735190.3	1.5 3.1 24.2
D462G	X = 1619145 Y = -18154 Z = 625298	25 26 23	LAT. = 21 6 53.5 LONG. = - 0 38 32.6 RAD. = 1735786.9	2.1 3.3 28.5
1825	X = 1634996 Y = -5203 Z = 588853	22 25 15	LAT. = 19 48 24.0 LONG. = - 0 10 56.4 RAD. = 1737811.3	1.5 3.1 22.9
94499	X = 1653676 Y = -1053 Z = 530711	25 26 22	LAT. = 17 47 34.4 LONG. = - 0 2 11.3 RAD. = 1736749.9	2.2 3.2 28.4
V6944	X = 1658138 Y = -27054 Z = 515622	26 25 28	LAT. = 17 16 18.0 LONG. = - 0 56 5.1 RAD. = 1736668.9	2.7 3.2 31.3

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MAP SHEET 42A

TERRAIN POINTS ON MAP SHEET 42A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4646J	X = 1519400 Y = 273917 Z = 790635	27 23 15	LAT. = 27 7 1.9 LONG. = 10 13 10.2 RAD. = 1734563.1	2.1 3.2 25.0
5615K	X = 1537624 Y = 298295 Z = 745471	28 23 16	LAT. = 25 27 7.1 LONG. = 10 58 43.9 RAD. = 1734645.8	2.2 3.1 25.4
36445	X = 1501417 Y = 305694 Z = 813158	27 23 15	LAT. = 27 57 18.5 LONG. = 11 30 30.0 RAD. = 1734626.2	2.2 3.2 25.1
A6145	X = 1505045 Y = 300950 Z = 808189	27 23 16	LAT. = 27 46 10.6 LONG. = 11 18 28.0 RAD. = 1734618.2	2.2 3.2 24.7
36449	X = 1527376 Y = 307805 Z = 762627	25 23 16	LAT. = 26 4 48.5 LONG. = 11 23 38.3 RAD. = 1734710.8	1.7 3.1 25.1
A6150	X = 1537856 Y = 298979 Z = 744851	24 23 16	LAT. = 25 25 42.1 LONG. = 11 0 6.5 RAD. = 1734702.7	1.6 3.1 24.7
36451	X = 1536076 Y = 308071 Z = 744777	24 23 17	LAT. = 25 25 33.5 LONG. = 11 20 26.2 RAD. = 1734684.6	1.6 3.1 25.1
6645C	X = 1548252 Y = 310671 Z = 717963	29 23 16	LAT. = 24 26 58.1 LONG. = 11 20 46.4 RAD. = 1734667.6	2.3 3.1 25.9
65546	X = 1552484 Y = 312059 Z = 708068	29 23 15	LAT. = 24 5 29.4 LONG. = 11 21 55.3 RAD. = 1734632.4	2.2 3.1 25.9
46001	X = 1511926 Y = 340145 Z = 779613	27 23 15	LAT. = 26 42 19.8 LONG. = 12 40 44.3 RAD. = 1734766.5	2.1 3.1 24.7
B642G	X = 1524170 Y = 334029 Z = 757965	28 23 15	LAT. = 25 54 32.5 LONG. = 12 21 40.4 RAD. = 1734698.7	2.1 3.1 25.4
6643A	X = 1546692 Y = 333397 Z = 711001	46 24 19	LAT. = 24 11 51.8 LONG. = 12 9 51.3 RAD. = 1734627.3	3.7 3.2 39.3

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

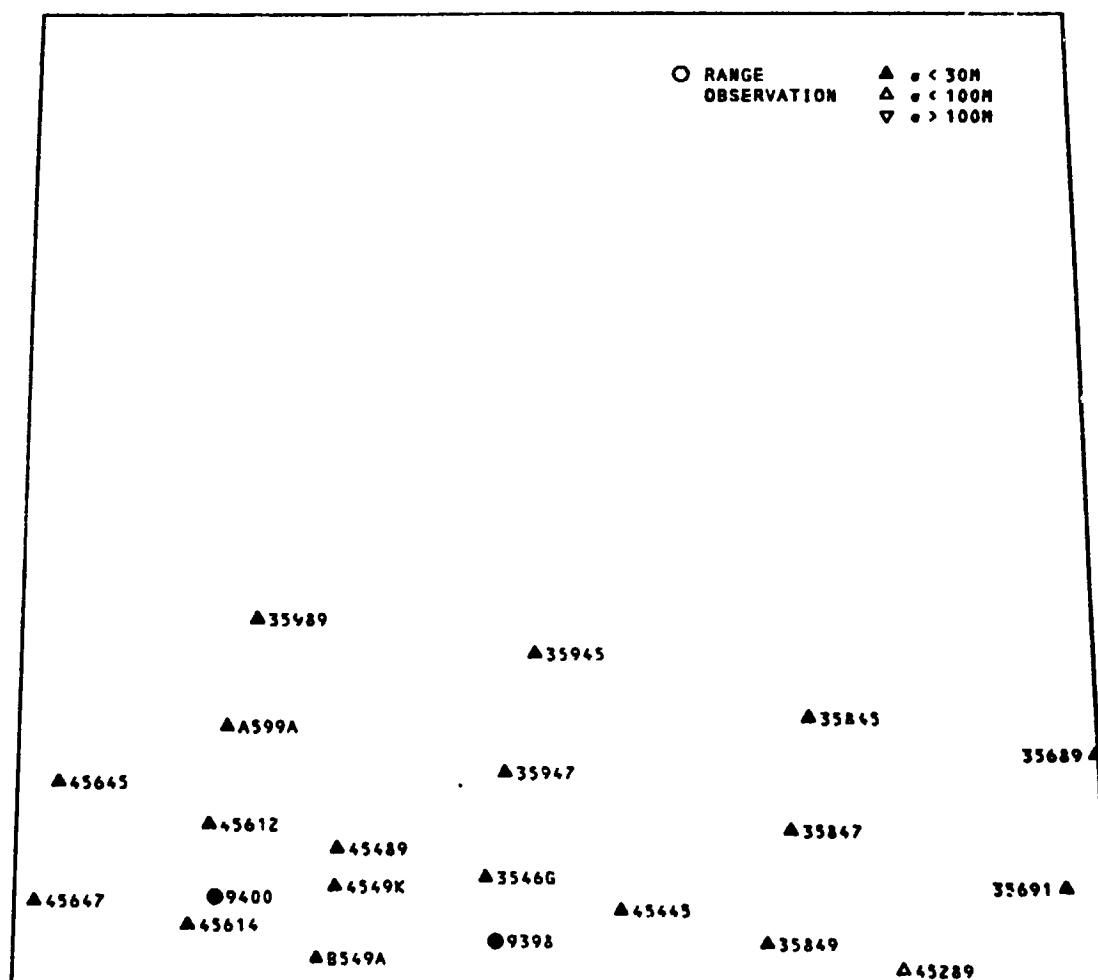
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B543A	X = 1546760 Y = 333406 Z = 710938	38 24 19	LAT. = 24 11 41.7 LONG. = 12 9 50.6 RAD. = 1734664.1	1.8 3.5 37.6
36431	X = 1546791 Y = 333424 Z = 710942	21 21 15	LAT. = 24 11 40.4 LONG. = 12 9 52.0 RAD. = 1734696.8	1.5 2.9 22.4
A6101	X = 1493492 Y = 366322 Z = 802833	27 23 16	LAT. = 27 34 5.2 LONG. = 13 46 52.9 RAD. = 1734719.2	2.3 3.1 24.4
A6102	X = 1502677 Y = 372847 Z = 782473	26 22 15	LAT. = 26 48 42.5 LONG. = 13 56 5.8 RAD. = 1734738.3	2.0 3.1 24.4
A6105	X = 1518257 Y = 370450 Z = 752971	25 22 15	LAT. = 25 43 30.7 LONG. = 13 42 43.5 RAD. = 1734734.6	1.7 3.1 24.4
A6106	X = 1529040 Y = 374284 Z = 728820	24 22 16	LAT. = 24 50 36.0 LONG. = 13 45 16.5 RAD. = 1734713.2	1.6 3.0 24.5
5610F	X = 1529068 Y = 374280 Z = 728758	45 23 17	LAT. = 24 50 28.0 LONG. = 13 45 15.2 RAD. = 1734711.0	3.0 3.6 38.3
36408	X = 1528097 Y = 380807 Z = 727374	23 22 17	LAT. = 24 47 27.6 LONG. = 13 59 35.8 RAD. = 1734694.9	1.7 3.0 24.4
36402	X = 1491294 Y = 377892 Z = 801654	26 22 15	LAT. = 27 31 24.3 LONG. = 14 13 9.8 RAD. = 1734764.7	2.1 3.1 24.3
33405	X = 1514908 Y = 381555 Z = 754159	22 21 14	LAT. = 25 46 7.8 LONG. = 14 8 12.8 RAD. = 1734729.5	1.6 2.9 21.5
9406	X = 1519370 Y = 378936 Z = 746393	24 22 16	LAT. = 25 29 5.5 LONG. = 14 0 14.6 RAD. = 1734699.4	1.6 3.0 24.4
45793	X = 1521065 Y = 404494 Z = 729312	20 20 13	LAT. = 24 51 41.8 LONG. = 14 53 30.9 RAD. = 1734690.1	1.4 2.8 19.6

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
984	X = 1529384 Y = 405889 Z = 710897	24 22 16	LAT. = 24 11 35.1 LONG. = 14 51 48.0 RAD. = 1734685.9	1.6 3.0 24.1
45794	X = 1529989 Y = 404102 Z = 710541	20 20 13	LAT. = 24 10 50.4 LONG. = 14 47 42.5 RAD. = 1734656.3	1.3 2.8 19.4
45791	X = 1507932 Y = 407668 Z = 754390	22 21 13	LAT. = 25 46 40.5 LONG. = 15 7 41.5 RAD. = 1734691.5	1.6 2.9 20.7
36189	X = 1469974 Y = 446425 Z = 805612	26 22 15	LAT. = 27 40 20.4 LONG. = 16 53 36.0 RAD. = 1734684.4	2.2 3.0 23.5
36190	X = 1478252 Y = 445064 Z = 791112	22 21 14	LAT. = 27 7 57.5 LONG. = 16 45 20.5 RAD. = 1734695.9	1.8 2.9 20.8
45767	X = 1489824 Y = 444147 Z = 769566	21 20 13	LAT. = 26 20 10.6 LONG. = 16 36 1.4 RAD. = 1734667.9	1.6 2.9 20.3
45769	X = 1501957 Y = 444465 Z = 745325	21 20 13	LAT. = 25 26 48.8 LONG. = 16 29 5.1 RAD. = 1734627.9	1.5 2.8 19.9
9404	X = 1502504 Y = 448910 Z = 741561	20 21 15	LAT. = 25 18 33.1 LONG. = 16 38 5.4 RAD. = 1734633.1	1.6 3.0 18.8
576	X = 1513572 Y = 440740 Z = 723704	23 22 16	LAT. = 24 39 31.3 LONG. = 16 14 6.4 RAD. = 1734618.0	1.6 3.0 23.6
45771	X = 1514246 Y = 447230 Z = 718239	20 20 13	LAT. = 24 27 38.1 LONG. = 16 27 15.9 RAD. = 1734595.5	1.4 2.8 19.0
45745	X = 1482541 Y = 477167 Z = 763749	23 20 13	LAT. = 26 7 22.0 LONG. = 17 50 28.1 RAD. = 1734626.5	1.7 2.8 21.3
45747	X = 1494962 Y = 477173 Z = 739055	21 20 13	LAT. = 25 13 6.0 LONG. = 17 42 8.8 RAD. = 1734591.3	1.5 2.8 19.8

TERRAIN POINTS ON MAP SHEET 42A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45749	X = 1508567 Y = 473193 Z = 713492	20 20 13	LAT. = 24 17 19.4 LONG. = 17 24 54.3 RAD. = 1734576.3	1.4 2.8 19.5
574	X = 1496429 Y = 510192 Z = 713615	19 21 15	LAT. = 24 17 34.1 LONG. = 18 49 34.6 RAD. = 1734601.2	1.6 2.9 18.3
45716	X = 1495486 Y = 514083 Z = 712810	20 20 13	LAT. = 24 15 48.9 LONG. = 18 58 14.6 RAD. = 1734606.0	1.4 2.7 19.4
36145	X = 1450657 Y = 515304 Z = 799382	26 22 15	LAT. = 27 26 27.8 LONG. = 19 33 22.0 RAD. = 1734634.2	2.2 3.0 23.4
36147	X = 1463036 Y = 515262 Z = 776734	22 20 14	LAT. = 26 35 59.1 LONG. = 19 24 5.7 RAD. = 1734729.0	1.7 2.9 20.5
45712	X = 1474808 Y = 514715 Z = 754445	21 20 13	LAT. = 25 46 47.5 LONG. = 19 14 21.3 RAD. = 1734697.8	1.5 2.8 20.0
9402	X = 1483677 Y = 517948 Z = 734398	19 21 15	LAT. = 25 2 52.7 LONG. = 19 14 38.3 RAD. = 1734620.4	1.6 2.9 18.3
45714	X = 1486764 Y = 516222 Z = 729281	20 20 13	LAT. = 24 51 43.2 LONG. = 19 8 51.4 RAD. = 1734590.2	1.4 2.8 19.4



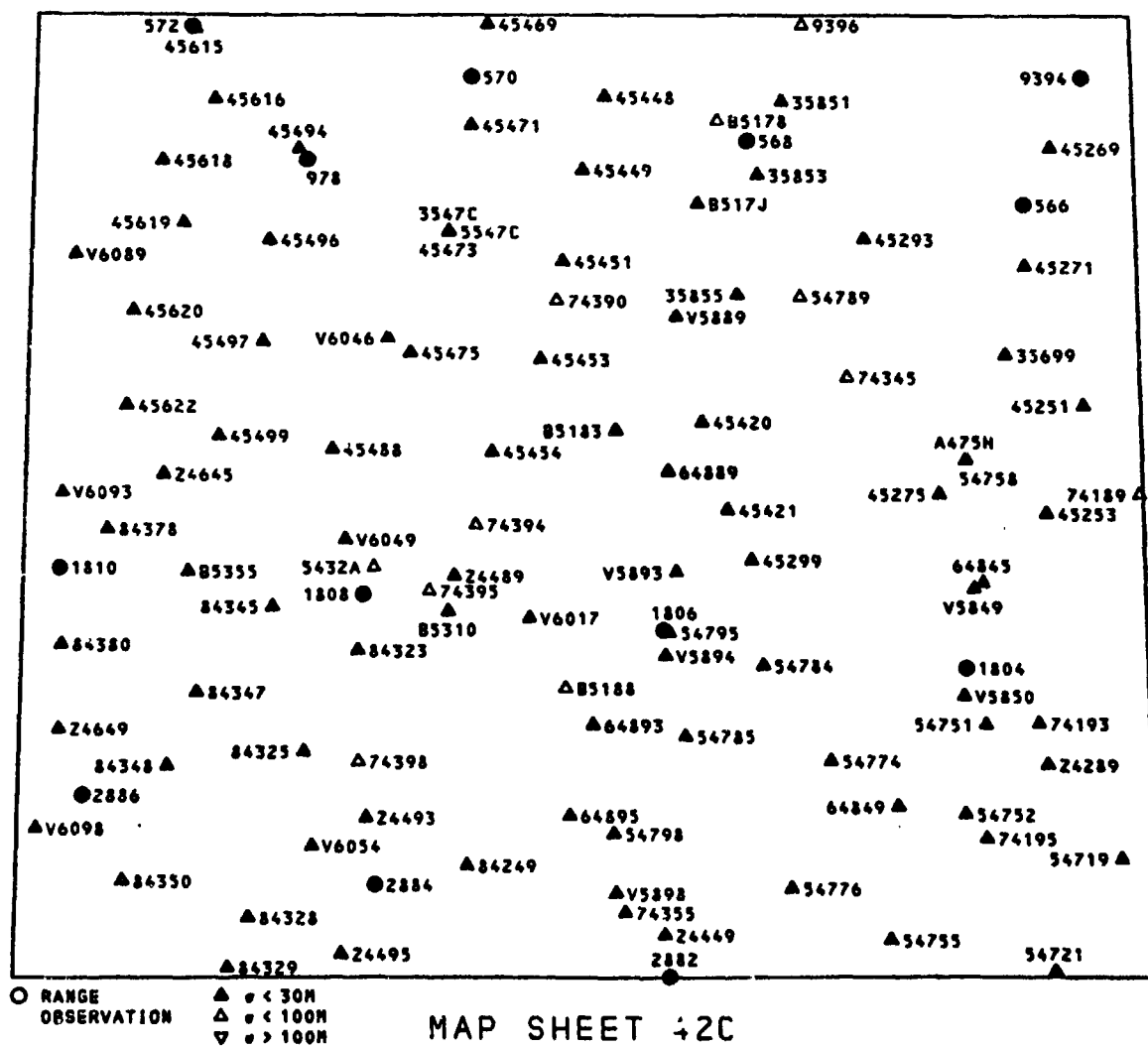
MAP SHEET 42B

TERRAIN POINTS ON MAP SHEET 42B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45645	X = 1465438 Y = 544523 Z = 751820	22 20 13	LAT. = 25 40 59.8 LONG. = 20 23 2.0 RAD. = 1734718.1	1.6 2.8 20.9
45647	X = 1479014 Y = 543788 Z = 725128	21 20 13	LAT. = 24 42 36.2 LONG. = 20 11 13.0 RAD. = 1734646.6	1.5 2.7 19.8
A599A	X = 1444503 Y = 581977 Z = 764066	26 21 15	LAT. = 26 8 1.3 LONG. = 21 56 38.5 RAD. = 1734671.0	2.1 3.0 23.3
45612	X = 1455980 Y = 581845 Z = 742081	21 20 13	LAT. = 25 19 39.1 LONG. = 21 46 58.2 RAD. = 1734677.1	1.5 2.8 19.6
9400	X = 1462374 Y = 586275 Z = 725763	19 20 15	LAT. = 24 43 59.4 LONG. = 21 50 46.2 RAD. = 1734643.7	1.7 2.9 18.1
45614	X = 1467526 Y = 581169 Z = 719450	20 19 13	LAT. = 24 30 13.6 LONG. = 21 36 16.4 RAD. = 1734646.3	1.4 2.7 19.4
35989	X = 1430731 Y = 584039 Z = 787952	26 21 15	LAT. = 27 0 59.3 LONG. = 22 12 20.8 RAD. = 1734635.8	2.2 3.0 23.2
45489	X = 1445950 Y = 612947 Z = 736413	24 20 14	LAT. = 25 7 19.3 LONG. = 22 58 20.5 RAD. = 1734583.6	1.8 2.8 22.1
4549K	X = 1449846 Y = 613999 Z = 727841	26 21 15	LAT. = 24 48 34.5 LONG. = 22 57 8.2 RAD. = 1734589.6	2.0 2.9 23.6
B549A	X = 1458603 Y = 612559 Z = 711538	28 21 15	LAT. = 24 13 .3 LONG. = 22 46 50.1 RAD. = 1734657.6	2.3 2.9 23.9
35945	X = 1406310 Y = 650020 Z = 779945	26 21 15	LAT. = 26 43 19.0 LONG. = 24 48 25.7 RAD. = 1734516.8	2.2 2.9 23.2
35947	X = 1421462 Y = 648524 Z = 753339	22 20 14	LAT. = 25 44 30.0 LONG. = 24 31 27.3 RAD. = 1734547.7	1.7 2.8 20.1

TERRAIN POINTS ON MAP SHEET 42B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3546G	X = 1433697 Y = 648569 Z = 729700	23 21 15	LAT. = 24 52 41.5 LONG. = 24 20 26.9 RAD. = 1734528.7	1.7 2.9 23.2
9398	X = 1438757 Y = 653545 Z = 715256	19 20 15	LAT. = 24 21 10.0 LONG. = 24 25 46.5 RAD. = 1734570.2	1.7 2.9 17.8
45445	X = 1422449 Y = 680998 Z = 722029	23 20 13	LAT. = 24 35 59.4 LONG. = 25 34 58.0 RAD. = 1734486.9	1.6 2.7 21.9
35849	X = 1409372 Y = 715396 Z = 714241	23 21 15	LAT. = 24 19 4.8 LONG. = 26 54 44.3 RAD. = 1734434.0	1.7 2.8 23.5
35845	X = 1382544 Y = 714882 Z = 765292	26 21 15	LAT. = 26 10 59.4 LONG. = 27 20 32.9 RAD. = 1734403.3	2.2 2.9 23.5
35847	X = 1395765 Y = 715972 Z = 739918	22 19 13	LAT. = 25 15 8.3 LONG. = 27 9 21.6 RAD. = 1734432.0	1.7 2.7 20.2
45289	X = 1395943 Y = 746648 Z = 708131	32 21 15	LAT. = 24 5 58.3 LONG. = 28 8 27.6 RAD. = 1734240.8	1.9 2.9 31.5
35689	X = 1351768 Y = 779762 Z = 757261	26 21 15	LAT. = 25 53 6.6 LONG. = 29 58 42.0 RAD. = 1734574.7	2.2 2.8 23.2
35691	X = 1368892 Y = 779364 Z = 727152	21 19 13	LAT. = 24 46 45.0 LONG. = 29 39 16.5 RAD. = 1734941.9	1.7 2.7 19.7



TERRAIN POINTS ON MAP SHEET 42C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6089	X = 1507399 Y = 560722 Z = 650068	24 21 14	LAT. = 22 0 29.6 LONG. = 20 24 15.0 RAD. = 1734718.1	1.9 2.8 21.3
45620	X = 1506957 Y = 576517 Z = 636784	19 19 12	LAT. = 21 32 15.1 LONG. = 20 56 7.3 RAD. = 1734584.6	1.3 2.6 18.1
45622	X = 1515356 Y = 578504 Z = 614527	20 19 13	LAT. = 20 44 59.6 LONG. = 20 53 41.6 RAD. = 1734535.2	1.3 2.6 18.9
V6093	X = 1528015 Y = 566273 Z = 594181	21 20 12	LAT. = 20 1 59.2 LONG. = 20 20 3.9 RAD. = 1734515.8	1.4 2.7 20.0
84378	X = 1526874 Y = 578475 Z = 585396	19 19 12	LAT. = 19 43 26.8 LONG. = 20 44 59.3 RAD. = 1734551.3	1.3 2.6 18.6
1810	X = 1534266 Y = 568393 Z = 576241	19 20 13	LAT. = 19 24 6.2 LONG. = 20 19 40.6 RAD. = 1734674.8	1.5 2.7 18.0
84380	X = 1539808 Y = 571339 Z = 557964	19 19 12	LAT. = 18 45 50.5 LONG. = 20 21 25.7 RAD. = 1734577.5	1.3 2.6 18.2
Z4649	X = 1546166 Y = 573605 Z = 537820	23 21 13	LAT. = 18 3 44.2 LONG. = 20 21 14.9 RAD. = 1734618.6	1.5 2.7 22.1
2886	X = 1548665 Y = 581456 Z = 521932	20 20 13	LAT. = 17 30 40.5 LONG. = 20 34 44.3 RAD. = 1734609.2	1.5 2.7 18.0
V6098	X = 1555174 Y = 571215 Z = 514029	20 20 13	LAT. = 17 14 13.6 LONG. = 20 10 5.7 RAD. = 1734669.0	1.4 2.6 19.1
84350	X = 1551005 Y = 593504 Z = 501406	19 19 12	LAT. = 16 48 1.9 LONG. = 20 56 23.1 RAD. = 1734725.7	1.3 2.6 18.7
572	X = 1476423 Y = 578742 Z = 703023	19 20 15	LAT. = 23 54 31.8 LONG. = 21 24 16.7 RAD. = 1734649.6	1.6 2.9 18.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45615	X = 1476397 Y = 579537 Z = 702429	20 19 13	LAT. = 23 53 14.4 LONG. = 21 25 54.3 RAD. = 1734651.9	1.4 2.7 19.0
45616	X = 1480966 Y = 587293 Z = 686121	20 19 13	LAT. = 23 17 59.6 LONG. = 21 37 52.8 RAD. = 1734627.9	1.4 2.7 18.4
45618	X = 1491329 Y = 577431 Z = 671838	19 20 14	LAT. = 22 47 15.0 LONG. = 21 9 57.6 RAD. = 1734605.5	1.4 2.7 19.1
45619	X = 1494810 Y = 584962 Z = 657411	19 19 13	LAT. = 22 16 18.1 LONG. = 21 22 18.6 RAD. = 1734596.6	1.3 2.7 18.5
45499	X = 1509267 Y = 601512 Z = 607428	19 19 12	LAT. = 20 29 56.9 LONG. = 21 43 46.3 RAD. = 1734553.0	1.3 2.6 18.4
24645	X = 1517490 Y = 589814 Z = 598316	25 20 14	LAT. = 20 10 41.6 LONG. = 21 14 23.9 RAD. = 1734542.3	2.0 2.8 22.1
85355	X = 1522781 Y = 599034 Z = 575369	22 22 21	LAT. = 19 22 20.5 LONG. = 21 28 25.5 RAD. = 1734575.6	2.1 2.8 24.0
84347	X = 1531132 Y = 605236 Z = 546557	19 19 12	LAT. = 18 21 52.3 LONG. = 21 34 5.6 RAD. = 1734762.2	1.3 2.6 18.4
84348	X = 1538965 Y = 600620 Z = 528943	19 19 12	LAT. = 17 45 14.5 LONG. = 21 19 10.1 RAD. = 1734629.5	1.3 2.6 18.1
84329	X = 1547964 Y = 621509 Z = 480886	20 19 13	LAT. = 16 4 54.0 LONG. = 21 52 31.8 RAD. = 1736006.1	1.4 2.6 19.7
45494	X = 1477423 Y = 609141 Z = 614544	19 19 12	LAT. = 22 53 4.4 LONG. = 22 24 22.8 RAD. = 1734601.5	1.3 2.6 18.1
978	X = 1477595 Y = 611528 Z = 672083	23 21 16	LAT. = 22 47 45.3 LONG. = 22 28 59.0 RAD. = 1734631.8	1.6 2.8 23.5

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45496	X = 1488175 Y = 605900 Z = 653325	19 19 12	LAT. = 22 7 36.4 LONG. = 22 9 12.0 RAD. = 1734535.1	1.3 2.6 18.2
45497	X = 1497305 Y = 608437 Z = 629566	19 19 13	LAT. = 21 16 57.2 LONG. = 22 6 52.5 RAD. = 1734494.7	1.3 2.6 18.3
45488	X = 1499388 Y = 628658 Z = 604296	19 19 12	LAT. = 2 23 20.9 LONG. = 2 44 49.8 RAD. = 1734517.0	1.3 2.6 18.2
V6049	X = 1505355 Y = 635103 Z = 582992	21 19 12	LAT. = 19 38 15.1 LONG. = 22 52 28.8 RAD. = 1734741.5	1.4 2.6 19.4
84345	X = 1517532 Y = 620270 Z = 567651	19 19 12	LAT. = 19 4 47.8 LONG. = 22 13 53.8 RAD. = 1734699.8	1.3 2.6 17.9
84323	X = 1512375 Y = 641704 Z = 556671	19 19 12	LAT. = 18 43 6.0 LONG. = 22 59 29.8 RAD. = 1734631.1	1.3 2.6 18.0
84325	X = 1524990 Y = 632414 Z = 532469	19 19 12	LAT. = 17 52 33.6 LONG. = 22 31 25.7 RAD. = 1734665.4	1.3 2.6 17.7
V6054	X = 1531271 Y = 637301 Z = 510013	20 20 17	LAT. = 17 5 33.0 LONG. = 22 35 47.9 RAD. = 1735239.2	1.7 2.7 21.1
84328	X = 1542795 Y = 624851 Z = 492922	20 19 12	LAT. = 16 29 44.7 LONG. = 22 2 54.8 RAD. = 1735980.7	1.3 2.6 19.3
24495	X = 1536221 Y = 647865 Z = 484132	22 20 14	LAT. = 16 11 31.8 LONG. = 22 51 58.9 RAD. = 1736112.4	1.5 2.7 21.8
570	X = 1453684 Y = 646433 Z = 691298	19 20 15	LAT. = 23 29 9.9 LONG. = 23 58 26.5 RAD. = 1734637.1	1.6 2.8 17.8
45471	X = 1457991 Y = 648517 Z = 679990	20 19 13	LAT. = 23 4 49.9 LONG. = 23 58 46.5 RAD. = 1734560.1	1.4 2.7 19.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3547C	X = 1469552 Y = 647659 Z = 655319	21 21 21	LAT. = 22 11 54.1 LONG. = 23 47 2.3 RAD. = 1734499.2	2.0 2.8 23.3
5547C	X = 1469553 Y = 647667 Z = 655309	26 21 15	LAT. = 22 11 52.8 LONG. = 23 47 3.2 RAD. = 1734499.6	2.1 2.9 23.6
45473	X = 1469563 Y = 647672 Z = 655303	20 19 13	LAT. = 22 11 51.7 LONG. = 23 47 3.3 RAD. = 1734507.7	1.4 2.7 19.3
V6046	X = 1484754 Y = 637610 Z = 630410	23 20 14	LAT. = 21 18 45.2 LONG. = 23 14 25.8 RAD. = 1734490.7	1.8 2.7 21.1
45475	X = 1483714 Y = 643297 Z = 627035	19 19 12	LAT. = 21 11 35.2 LONG. = 23 26 24.7 RAD. = 1734476.9	1.3 2.6 17.7
5432A	X = 1504571 Y = 642682 Z = 576434	29 32 20	LAT. = 19 24 31.1 LONG. = 23 7 47.7 RAD. = 1734661.0	1.8 3.4 36.8
24489	X = 1496949 Y = 661633 Z = 574335	24 20 14	LAT. = 19 20 13.5 LONG. = 23 50 41.4 RAD. = 1734495.9	1.9 2.7 21.9
74395	X = 1500580 Y = 656449 Z = 570751	33 33 20	LAT. = 19 12 42.5 LONG. = 23 37 39.5 RAD. = 1734480.6	1.8 2.3 40.6
1808	X = 1507603 Y = 641102 Z = 570030	19 19 13	LAT. = 19 11 7.1 LONG. = 23 2 14.8 RAD. = 1734592.9	1.5 2.7 17.6
85310	X = 1500276 Y = 661545 Z = 565940	22 22 20	LAT. = 19 2 33.1 LONG. = 23 47 42.1 RAD. = 1734577.1	2.0 2.8 24.0
74398	X = 1520091 Y = 645474 Z = 530109	29 36 29	LAT. = 17 47 46.9 LONG. = 23 0 26.8 RAD. = 1734453.3	2.5 3.7 40.7
24493	X = 1523745 Y = 649269 Z = 516772	22 20 13	LAT. = 17 19 11.0 LONG. = 23 4 44.1 RAD. = 1735050.8	1.5 2.7 21.9

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84249	X = 1516978	22	LAT. = 16 55 52.8	1.5
	Y = 674334	20	LONG. = 23 57 58.7	2.7
	Z = 505370	13	RAD. = 1735323.6	20.5
2884	X = 1527761	19	LAT. = 16 46 14.6	1.5
	Y = 653510	19	LONG. = 23 9 32.9	2.7
	Z = 500760	13	RAD. = 1735480.2	17.7
45469	X = 1447130	20	LAT. = 23 55 25.5	1.4
	Y = 647886	19	LONG. = 24 7 5.7	2.7
	Z = 703402	13	RAD. = 1734565.3	18.7
45449	X = 1450236	20	LAT. = 22 42 35.7	1.4
	Y = 675949	19	LONG. = 24 59 24.1	2.6
	Z = 669632	13	RAD. = 1734502.3	19.0
45451	X = 1460446	19	LAT. = 21 57 .3	1.3
	Y = 675244	19	LONG. = 24 48 49.2	2.6
	Z = 648445	12	RAD. = 1734744.0	17.9
74390	X = 1464369	42	LAT. = 21 37 30.2	3.4
	Y = 675492	29	LONG. = 24 45 47.5	3.0
	Z = 639313	18	RAD. = 1734758.1	40.1
45453	X = 1470857	19	LAT. = 21 8 21.3	1.3
	Y = 673860	19	LONG. = 24 36 52.0	2.6
	Z = 625558	12	RAD. = 1734597.9	17.9
45454	X = 1483423	19	LAT. = 20 22 3.1	1.3
	Y = 666070	19	LONG. = 24 10 49.8	2.6
	Z = 603692	12	RAD. = 1734542.7	18.1
74394	X = 1490688	35	LAT. = 19 45 46.9	1.9
	Y = 664942	31	LONG. = 24 2 23.8	3.1
	Z = 586463	17	RAD. = 1734427.3	40.3
V6017	X = 1492390	22	LAT. = 18 59 15.2	1.5
	Y = 680631	20	LONG. = 24 30 58.3	2.6
	Z = 564392	13	RAD. = 1734653.5	21.0
85188	X = 1493576	22	LAT. = 18 24 14.2	2.3
	Y = 691285	26	LONG. = 24 50 11.5	3.0
	Z = 547610	24	RAD. = 1734509.1	28.4
64895	X = 1502639	24	LAT. = 17 20 41.2	1.6
	Y = 696542	22	LONG. = 24 52 11.6	2.8
	Z = 517278	16	RAD. = 1735128.4	25.2

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45448	X = 1441272 Y = 678084 Z = 686633	20 19 13	LAT. = 23 19 11.9 LONG. = 25 11 45.1 RAD. = 1734510.5	1.4 2.7 19.0
V5889	X = 1452545 Y = 703211 Z = 635530	23 20 14	LAT. = 21 29 41.4 LONG. = 25 49 57.8 RAD. = 1734442.6	1.9 2.7 21.0
B5183	X = 1468477 Y = 693817 Z = 608697	25 25 16	LAT. = 20 32 42.5 LONG. = 25 17 22.2 RAD. = 1734450.2	1.6 2.9 28.4
64889	X = 1465975 Y = 707368 Z = 599007	28 21 16	LAT. = 20 12 13.9 LONG. = 25 45 30.3 RAD. = 1734434.2	2.3 2.8 25.3
V5893	X = 1472795 Y = 712642 Z = 575101	22 20 13	LAT. = 19 21 59.1 LONG. = 25 49 15.5 RAD. = 1734279.0	1.5 2.6 20.8
1806	X = 1478509 Y = 711673 Z = 561304	19 19 13	LAT. = 18 53 4.6 LONG. = 25 42 12.9 RAD. = 1734223.0	1.5 2.6 17.1
54795	X = 1478104 Y = 713122 Z = 560745	30 33 19	LAT. = 18 51 51.5 LONG. = 25 45 19.2 RAD. = 1734292.3	1.8 3.3 37.6
V5894	X = 1480261 Y = 713107 Z = 555213	21 20 14	LAT. = 18 40 14.4 LONG. = 25 43 19.7 RAD. = 1734346.0	1.5 2.6 20.9
64893	X = 1493437 Y = 699071 Z = 538843	25 22 15	LAT. = 18 5 46.6 LONG. = 25 5 2.6 RAD. = 1734763.8	1.7 2.8 25.3
54785	X = 1484290 Y = 720593 Z = 536172	21 21 18	LAT. = 18 0 7.6 LONG. = 25 53 44.3 RAD. = 1734892.8	1.7 2.7 23.0
54798	X = 1499170 Y = 707250 Z = 512851	21 21 14	LAT. = 17 11 29.5 LONG. = 25 15 22.0 RAD. = 1735145.3	1.5 2.7 20.5
V5898	X = 1502928 Y = 709536 Z = 498630	20 20 17	LAT. = 16 42 .8 LONG. = 25 16 19.6 RAD. = 1735185.2	1.7 2.6 21.0

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
74355	X = 1503128 Y = 712300 Z = 493935	22 22 20	LAT. = 16 32 19.7 LONG. = 25 21 19.0 RAD. = 1735147.9	2.0 2.8 24.2
24449	X = 1500275 Y = 722133 Z = 488566	22 20 13	LAT. = 16 21 11.5 LONG. = 25 42 11.1 RAD. = 1735222.6	1.5 2.6 21.4
2882	X = 1502507 Y = 724386 Z = 478523	19 19 13	LAT. = 16 0 26.1 LONG. = 25 44 22.4 RAD. = 1735294.2	1.5 2.6 17.5
9396	X = 1414374 Y = 720567 Z = 704046	28 30 19	LAT. = 23 55 8.6 LONG. = 26 59 49.3 RAD. = 1736476.4	1.8 3.2 35.1
35851	X = 1421915 Y = 718452 Z = 685520	20 19 14	LAT. = 23 16 56.2 LONG. = 26 48 22.1 RAD. = 1734345.4	1.5 2.7 20.2
B5178	X = 1430939 Y = 704705 Z = 681152	30 24 16	LAT. = 23 7 26.1 LONG. = 26 13 19.5 RAD. = 1734442.3	2.7 2.8 28.2
568	X = 1429338 Y = 712298 Z = 676547	19 20 15	LAT. = 22 57 33.9 LONG. = 26 29 20.3 RAD. = 1734385.4	1.6 2.8 17.6
35853	X = 1431190 Y = 716063 Z = 668528	20 19 15	LAT. = 22 40 20.8 LONG. = 26 34 48.1 RAD. = 1734352.7	1.5 2.7 20.2
B517J	X = 1440462 Y = 703791 Z = 661945	29 24 15	LAT. = 22 26 6.8 LONG. = 26 2 22.3 RAD. = 1734480.9	2.3 2.8 28.2
35855	X = 1443738 Y = 716370 Z = 640634	20 19 16	LAT. = 21 40 38.5 LONG. = 26 23 24.7 RAD. = 1734351.8	1.6 2.7 20.2
54789	X = 1436661 Y = 730574 Z = 640162	40 30 21	LAT. = 21 39 44.1 LONG. = 26 57 15.7 RAD. = 1734226.2	3.7 2.9 37.3
45420	X = 1458175 Y = 713274 Z = 610659	19 18 12	LAT. = 20 36 56.6 LONG. = 26 3 56.9 RAD. = 1734340.8	1.3 2.6 17.6

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

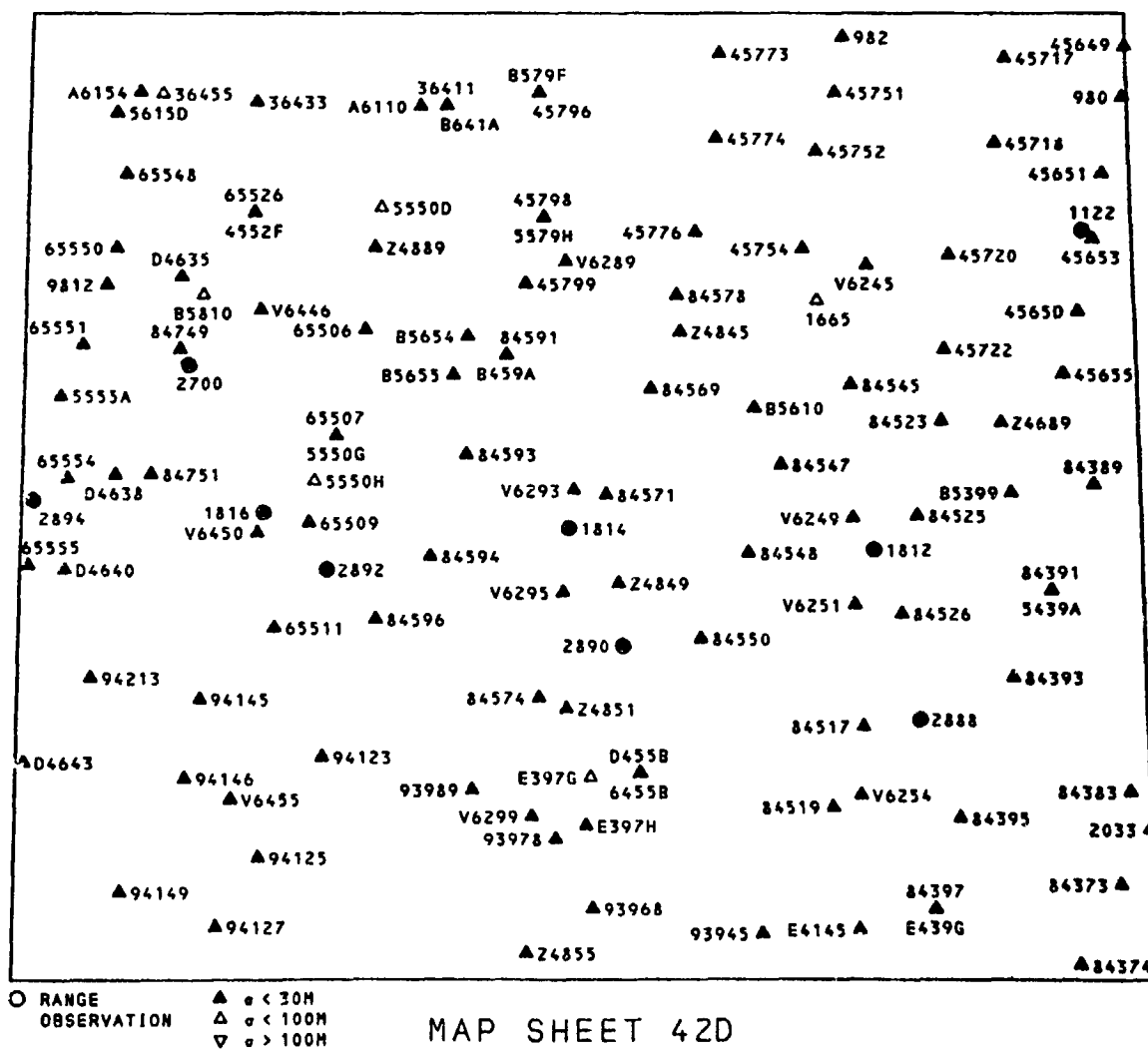
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45421	X = 1462162 Y = 722298 Z = 589878	27 20 17	LAT. = 19 53 6.6 LONG. = 26 17 20.6 RAD. = 1734239.8	1.7 2.9 26.2
45299	X = 1463406 Y = 729484 Z = 577858	21 20 13	LAT. = 19 27 48.0 LONG. = 26 29 43.8 RAD. = 1734250.5	1.4 2.6 21.7
54784	X = 1470301 Y = 735896 Z = 552939	19 18 11	LAT. = 18 35 16.2 LONG. = 26 35 17.9 RAD. = 1734666.7	1.3 2.5 17.3
54776	X = 1482988 Y = 749450 Z = 499636	19 18 12	LAT. = 16 44 8.8 LONG. = 26 48 37.5 RAD. = 1735097.7	1.3 2.5 17.6
45293	X = 1424490 Y = 742709 Z = 653660	23 22 15	LAT. = 22 8 27.0 LONG. = 27 32 12.8 RAD. = 1734376.1	1.7 2.8 23.9
74345	X = 1437853 Y = 744321 Z = 621263	40 30 22	LAT. = 20 59 32.8 LONG. = 27 22 7.8 RAD. = 1734186.4	3.8 3.0 37.9
54774	X = 1469590 Y = 754538 Z = 530166	19 18 12	LAT. = 47 34.6 LONG. = 10 39.1 RAD. = 1734963.2	1.3 2.5 17.7
64849	X = 1464896 Y = 771236 Z = 519234	25 21 14	LAT. = 17 24 48.5 LONG. = 27 45 57.0 RAD. = 1735030.0	1.7 2.7 24.2
54755	X = 1474829 Y = 773669 Z = 487140	19 18 12	LAT. = 16 18 15.0 LONG. = 27 40 50.5 RAD. = 1735220.7	1.3 2.5 17.9
566	X = 1402461 Y = 777219 Z = 661868	20 20 16	LAT. = 22 25 48.3 LONG. = 28 59 40.1 RAD. = 1734657.0	1.8 2.9 17.6
45271	X = 1407630 Y = 779823 Z = 647416	21 20 13	LAT. = 21 54 57.2 LONG. = 28 59 10.8 RAD. = 1734558.5	1.6 2.6 20.9
35699	X = 1417253 Y = 779096 Z = 626645	18 18 12	LAT. = 21 10 47.2 LONG. = 28 47 55.0 RAD. = 1734439.8	1.4 2.5 17.1

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A475H	X = 1430709 Y = 774322 Z = 602004	24 32 32	LAT. = 20 18 25.6 LONG. = 28 25 22.6 RAD. = 1734621.7	2.8 3.4 36.5
54758	X = 1430603 Y = 774336 Z = 601893	20 18 12	LAT. = 20 18 16.7 LONG. = 28 25 30.5 RAD. = 1734502.0	1.4 2.5 18.0
45275	X = 1436488 Y = 769611 Z = 593699	26 23 16	LAT. = 20 1 1.5 LONG. = 28 10 50.1 RAD. = 1734439.2	1.6 2.7 28.6
64845	X = 1438832 Y = 783041 Z = 572958	28 20 16	LAT. = 19 16 41.6 LONG. = 28 33 21.2 RAD. = 1735416.4	2.2 2.8 24.1
V5849	X = 1440141 Y = 781217 Z = 571506	21 19 13	LAT. = 19 13 47.8 LONG. = 28 28 40.8 RAD. = 1735201.9	1.5 2.6 20.4
1804	X = 1446801 Y = 781971 Z = 552487	19 18 13	LAT. = 18 34 9.3 LONG. = 28 23 25.7 RAD. = 1734921.4	1.5 2.6 16.8
V5850	X = 1449065 Y = 782510 Z = 545791	21 19 14	LAT. = 18 20 9.5 LONG. = 28 22 10.2 RAD. = 1734935.1	1.5 2.6 20.4
54751	X = 1448623 Y = 788381 Z = 539036	20 19 14	LAT. = 18 5 57.2 LONG. = 28 33 22.6 RAD. = 1735111.7	1.5 2.5 19.7
54752	X = 1457464 Y = 786687 Z = 517418	19 18 13	LAT. = 17 20 57.3 LONG. = 28 21 31.0 RAD. = 1735165.5	1.4 2.5 18.0
74195	X = 1456604 Y = 792156 Z = 511670	23 22 16	LAT. = 17 8 59.5 LONG. = 28 32 20.5 RAD. = 1735227.0	1.7 2.7 24.8
9394	X = 1384068 Y = 784442 Z = 691303	19 19 15	LAT. = 23 29 11.5 LONG. = 29 32 35.1 RAD. = 1734616.5	1.7 2.8 17.6
45269	X = 1394267 Y = 780668 Z = 675009	20 19 14	LAT. = 22 54 1.2 LONG. = 29 14 42.1 RAD. = 1734664.3	1.5 2.6 19.8

TERRAIN POINTS ON MAP SHEET 42C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45251	X = 1412086 Y = 798437 Z = 614901	27 20 15	LAT. = 20 45 34.4 LONG. = 29 29 6.6 RAD. = 1734817.6	2.1 2.8 23.5
74189	X = 1412374 Y = 814285 Z = 594036	47 21 17	LAT. = 20 1 13.4 LONG. = 29 57 54.0 RAD. = 1735148.2	2.9 3.8 37.9
45253	X = 1425135 Y = 794443 Z = 589350	19 18 12	LAT. = 19 51 36.5 LONG. = 29 8 15.2 RAD. = 1734786.2	1.3 2.5 17.7
74193	X = 1442097 Y = 800175 Z = 539349	24 21 15	LAT. = 18 6 34.0 LONG. = 29 1 28.3 RAD. = 1735171.4	1.7 2.7 24.5
24289	X = 1444029 Y = 803540 Z = 529433	24 19 14	LAT. = 17 45 51.0 LONG. = 29 5 38.7 RAD. = 1735279.6	1.9 2.6 21.2
54719	X = 1441554 Y = 822794 Z = 506913	18 18 12	LAT. = 16 58 57.4 LONG. = 29 42 58.9 RAD. = 1735519.7	1.3 2.4 17.4
54721	X = 1457474 Y = 811479 Z = 479760	19 18 13	LAT. = 16 2 42.9 LONG. = 29 6 28.0 RAD. = 1735770.0	1.3 2.4 17.8



TERRAIN POINTS ON MAP SHEET 42D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A6154	X = 1563359 Y = 303696 Z = 687487	20 21 13	LAT. = 23 20 56.1 LONG. = 10 59 35.8 RAD. = 1734635.5	1.4 2.9 20.3
5615D	X = 1566449 Y = 298470 Z = 682688	25 24 17	LAT. = 23 10 35.7 LONG. = 10 47 16.0 RAD. = 1734621.1	1.8 3.2 25.5
65548	X = 1571878 Y = 302203 Z = 668568	19 21 12	LAT. = 22 40 9.8 LONG. = 10 52 57.6 RAD. = 1734678.7	1.3 2.8 19.2
65550	X = 1579275 Y = 301442 Z = 651515	21 21 13	LAT. = 22 3 32.5 LONG. = 10 48 22.6 RAD. = 1734776.3	1.4 2.9 21.4
9812	X = 1583041 Y = 299942 Z = 642914	25 23 16	LAT. = 21 45 11.9 LONG. = 10 43 43.5 RAD. = 1734739.9	1.6 3.0 25.9
65551	X = 1589575 Y = 295234 Z = 628915	20 21 12	LAT. = 21 15 21.3 LONG. = 10 31 18.2 RAD. = 1734775.3	1.3 2.8 19.6
5555A	X = 1595022 Y = 290695 Z = 616870	23 23 21	LAT. = 20 49 50.9 LONG. = 10 19 43.9 RAD. = 1734683.3	2.0 3.0 25.5
D4638	X = 1599327 Y = 306053 Z = 598295	23 22 15	LAT. = 20 10 28.5 LONG. = 10 50 .1 RAD. = 1734783.1	1.5 2.9 23.3
65554	X = 1602067 Y = 294234 Z = 597626	21 22 14	LAT. = 20 8 52.7 LONG. = 10 24 24.9 RAD. = 1735035.9	1.5 2.9 20.8
2894	X = 1605617 Y = 286111 Z = 592617	20 22 14	LAT. = 19 58 9.9 LONG. = 10 6 13.4 RAD. = 1735240.4	1.5 2.9 19.6
65555	X = 1612404 Y = 286428 Z = 577643	21 22 14	LAT. = 19 25 44.9 LONG. = 10 4 22.7 RAD. = 1736536.5	1.5 2.9 20.7
D4640	X = 1610788 Y = 295655 Z = 576425	22 22 16	LAT. = 19 23 26.5 LONG. = 10 24 2.4 RAD. = 1736178.4	1.5 2.9 23.2

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94213	X = 1619978 Y = 304504 Z = 551316	20 21 13	LAT. = 18 29 36.0 LONG. = 10 38 44.1 RAD. = 1738102.6	1.3 2.8 20.2
D4643	X = 1628310 Y = 289129 Z = 530807	24 24 20	LAT. = 17 47 41.5 LONG. = 10 4 7.4 RAD. = 1736877.9	2.0 3.0 25.9
94149	X = 1632767 Y = 315344 Z = 499576	22 22 14	LAT. = 16 43 16.3 LONG. = 10 55 52.4 RAD. = 1736359.6	1.4 2.8 21.7
36455	X = 1562418 Y = 309345 Z = 687102	26 28 35	LAT. = 23 20 6.3 LONG. = 11 11 57.2 RAD. = 1734633.9	3.1 3.5 36.0
D4635	X = 1578557 Y = 318415 Z = 644709	24 22 13	LAT. = 21 49 7.9 LONG. = 11 24 15.3 RAD. = 1734612.2	1.6 3.0 23.4
B5810	X = 1579055 Y = 324294 Z = 640492	31 24 35	LAT. = 21 40 9.0 LONG. = 11 36 20.1 RAD. = 1734593.0	3.1 3.3 37.6
84749	X = 1585246 Y = 319717 Z = 627854	26 23 15	LAT. = 21 13 6.2 LONG. = 11 24 9.4 RAD. = 1734769.0	1.7 3.0 25.4
2700	X = 1586218 Y = 322062 Z = 624156	21 23 15	LAT. = 21 5 15.3 LONG. = 11 28 37.9 RAD. = 1734757.3	1.7 3.1 20.8
84751	X = 1597553 Y = 314950 Z = 598465	25 23 16	LAT. = 20 10 49.2 LONG. = 11 9 9.3 RAD. = 1734799.6	1.6 3.0 25.5
94145	X = 1615999 Y = 332231 Z = 546087	21 21 13	LAT. = 18 18 52.8 LONG. = 11 37 3.0 RAD. = 1737826.8	1.4 2.8 20.5
94146	X = 1622550 Y = 329854 Z = 527115	21 21 14	LAT. = 17 39 33.1 LONG. = 11 29 28.5 RAD. = 1737619.4	1.4 2.8 20.7
V6455	X = 1621940 Y = 341782 Z = 522138	20 21 15	LAT. = 17 29 4.7 LONG. = 11 53 58.2 RAD. = 1737853.2	1.5 2.8 20.4

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94127	X = 1630199 Y = 339963 Z = 491177	21 22 14	LAT. = 16 26 1.0 LONG. = 11 46 46.8 RAD. = 1736196.7	1.4 2.8 21.2
36433	X = 1558489 Y = 333023 Z = 685229	19 21 13	LAT. = 23 15 58.3 LONG. = 12 3 42.3 RAD. = 1734742.4	1.3 2.8 19.3
65526	X = 1568931 Y = 335205 Z = 659608	21 21 12	LAT. = 22 20 58.2 LONG. = 12 3 36.1 RAD. = 1734644.1	1.4 2.8 19.9
4552F	X = 1568962 Y = 335168 Z = 659543	22 23 21	LAT. = 22 20 50.1 LONG. = 12 3 30.6 RAD. = 1734640.4	2.0 3.0 24.8
V6446	X = 1577496 Y = 338861 Z = 636932	23 22 14	LAT. = 21 32 31.1 LONG. = 12 7 24.4 RAD. = 1734647.5	1.6 2.9 22.3
65507	X = 1584197 Y = 360406 Z = 607539	22 21 13	LAT. = 20 30 10.8 LONG. = 12 49 .0 RAD. = 1734553.5	1.4 2.8 22.1
5550G	X = 1584193 Y = 360359 Z = 607501	31 23 35	LAT. = 20 30 7.3 LONG. = 12 48 54.4 RAD. = 1734527.1	3.1 3.1 38.2
5550H	X = 1589483 Y = 355872 Z = 596910	30 23 38	LAT. = 20 7 33.9 LONG. = 12 37 11.8 RAD. = 1734763.4	3.4 3.1 38.0
1816	X = 1594997 Y = 343759 Z = 589482	20 21 13	LAT. = 19 51 50.8 LONG. = 12 9 45.1 RAD. = 1734841.3	1.5 2.9 19.3
65509	X = 1593366 Y = 355334 Z = 587074	21 21 13	LAT. = 19 46 45.6 LONG. = 12 34 18.2 RAD. = 1734858.2	1.3 2.8 20.4
V6450	X = 1596996 Y = 342696 Z = 584728	22 22 14	LAT. = 19 41 49.3 LONG. = 12 6 40.7 RAD. = 1734861.2	1.5 2.9 22.2
2892	X = 1596225 Y = 360837 Z = 576081	20 21 14	LAT. = 19 23 35.1 LONG. = 12 44 16.7 RAD. = 1734937.4	1.5 2.9 19.2

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
65511	X = 1603783	20	LAT. = 18 54 31.7	1.3
	Y = 348882	21	LONG. = 12 16 21.8	2.7
	Z = 562222	12	RAD. = 1734915.4	19.6
94123	X = 1612908	20	LAT. = 17 50 15.9	1.3
	Y = 363509	21	LONG. = 12 42 3.0	2.7
	Z = 532039	13	RAD. = 1736858.0	19.5
94125	X = 1623332	20	LAT. = 17 0 17.0	1.3
	Y = 349289	21	LONG. = 12 3 35.1	2.7
	Z = 507810	13	RAD. = 1736398.6	19.8
36411	X = 1547985	22	LAT. = 23 13 59.9	2.1
	Y = 380350	22	LONG. = 13 48 16.2	3.0
	Z = 684299	22	RAD. = 1734701.1	24.6
B641A	X = 1547977	35	LAT. = 23 13 56.1	1.8
	Y = 380310	23	LONG. = 13 48 11.3	3.2
	Z = 684256	21	RAD. = 1734668.6	37.0
A6110	X = 1549644	20	LAT. = 23 13 43.7	1.4
	Y = 373800	21	LONG. = 13 33 41.9	2.8
	Z = 684177	13	RAD. = 1734710.3	19.9
5550D	X = 1561449	36	LAT. = 22 23 15.5	1.8
	Y = 366660	23	LONG. = 13 12 53.3	3.3
	Z = 660684	22	RAD. = 1734665.6	38.2
24889	X = 1565487	25	LAT. = 22 3 30.0	2.0
	Y = 365898	22	LONG. = 13 9 19.7	2.9
	Z = 651448	14	RAD. = 1734651.1	23.1
65506	X = 1573458	20	LAT. = 21 22 38.1	1.3
	Y = 365265	21	LONG. = 13 4 9.2	2.8
	Z = 632289	12	RAD. = 1734640.7	19.8
B5654	X = 1567870	22	LAT. = 21 19 32.6	2.0
	Y = 390858	23	LONG. = 13 59 53.0	3.0
	Z = 630831	20	RAD. = 1734628.5	24.8
B5655	X = 1572168	22	LAT. = 21 0 15.1	2.1
	Y = 388063	23	LONG. = 13 51 55.2	3.0
	Z = 621748	22	RAD. = 1734610.9	24.8
84593	X = 1578182	20	LAT. = 20 20 48.4	1.3
	Y = 392998	21	LONG. = 13 59 .0	2.8
	Z = 603125	13	RAD. = 1734608.5	20.5

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84594	X = 1588925 Y = 386172 Z = 579117	20 21 12	LAT. = 19 30 7.9 LONG. = 13 39 37.0 RAD. = 1734700.7	1.3 2.7 20.2
84596	X = 1597530 Y = 373906 Z = 564288	20 21 13	LAT. = 18 58 46.8 LONG. = 13 10 23.1 RAD. = 1735030.3	1.3 2.8 19.9
B579F	X = 1541044 Y = 402652 Z = 687268	24 22 16	LAT. = 23 20 23.0 LONG. = 14 38 35.4 RAD. = 1734728.6	1.6 3.0 24.6
45796	X = 1541016 Y = 402668 Z = 687246	20 20 13	LAT. = 23 20 21.6 LONG. = 14 38 38.4 RAD. = 1734698.6	1.3 2.8 19.3
45798	X = 1552409 Y = 406915 Z = 658441	19 20 13	LAT. = 22 18 26.7 LONG. = 14 41 16.2 RAD. = 1734674.9	1.3 2.8 19.0
5579H	X = 1552431 Y = 406887 Z = 658439	27 24 16	LAT. = 22 18 25.8 LONG. = 14 41 12.1 RAD. = 1734687.2	1.6 3.0 28.2
V6289	X = 1555088 Y = 413169 Z = 648175	23 21 14	LAT. = 21 56 28.5 LONG. = 14 52 44.7 RAD. = 1734686.5	1.8 2.9 21.9
45799	X = 1559615 Y = 403957 Z = 643006	19 20 12	LAT. = 21 45 27.6 LONG. = 14 31 16.0 RAD. = 1734657.4	1.3 2.7 18.6
84591	X = 1567140 Y = 400823 Z = 626406	20 21 12	LAT. = 21 10 7.6 LONG. = 14 20 48.5 RAD. = 1734638.5	1.3 2.8 19.7
B459A	X = 1567159 Y = 400819 Z = 626379	22 22 21	LAT. = 21 10 3.8 LONG. = 14 20 47.5 RAD. = 1734645.2	2.0 3.0 24.7
V6293	X = 1571385 Y = 420188 Z = 594683	22 21 14	LAT. = 20 2 58.4 LONG. = 14 56 36.2 RAD. = 1734616.8	1.5 2.8 21.8
1814	X = 1577846 Y = 419715 Z = 585658	20 21 13	LAT. = 19 43 58.8 LONG. = 14 53 45.7 RAD. = 1734575.7	1.5 2.8 18.7

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V6295	X = 1583416 Y = 419612 Z = 570497	22 21 14	LAT. = 19 12 6.7 LONG. = 14 50 32.9 RAD. = 1734573.9	1.5 2.8 21.8
84574	X = 1593434 Y = 415715 Z = 545545	20 20 13	LAT. = 18 19 44.8 LONG. = 14 37 19.5 RAD. = 1734782.6	1.3 2.7 19.5
Z4851	X = 1592446 Y = 422751 Z = 542918	22 22 .5	LAT. = 18 14 17.0 LONG. = 14 52 3.1 RAD. = 1734751.9	1.5 2.8 22.9
93989	X = 1604567 Y = 400990 Z = 523623	21 21 13	LAT. = 17 34 3.4 LONG. = 14 1 52.1 RAD. = 1734822.5	1.4 2.7 20.2
V6299	X = 1602700 Y = 416069 Z = 517207	20 21 14	LAT. = 17 20 47.5 LONG. = 14 33 10.9 RAD. = 1734723.0	1.5 2.7 20.1
93978	X = 1602720 Y = 422363 Z = 511873	27 21 14	LAT. = 17 9 44.8 LONG. = 14 45 48.4 RAD. = 1734679.8	1.9 2.8 24.7
Z4855	X = 1613498 Y = 417203 Z = 484722	21 22 19	LAT. = 16 13 1.6 LONG. = 14 29 50.9 RAD. = 1735623.6	1.9 2.8 22.9
84578	X = 1550658 Y = 441108 Z = 640331	20 20 12	LAT. = 21 39 43.9 LONG. = 15 52 45.1 RAD. = 1734687.6	1.3 2.7 19.0
Z4845	X = 1553628 Y = 442649 Z = 631866	25 21 14	LAT. = 21 21 44.4 LONG. = 15 54 10.5 RAD. = 1734633.5	1.9 2.9 23.0
84569	X = 1560720 Y = 436694 Z = 618418	20 20 13	LAT. = 20 53 9.7 LONG. = 15 37 54.3 RAD. = 1734643.6	1.3 2.7 19.8
84571	X = 1572584 Y = 428133 Z = 593665	20 20 13	LAT. = 20 0 51.2 LONG. = 15 13 46.4 RAD. = 1734576.5	1.3 2.7 19.8
Z4849	X = 1578992 Y = 433216 Z = 572667	23 21 14	LAT. = 19 16 38.9 LONG. = 15 20 32.2 RAD. = 1734600.2	1.5 2.8 22.8

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2890	X = 1583710 Y = 435462 Z = 557913	20 21 14	LAT. = 18 45 40.9 LONG. = 15 22 27.5 RAD. = 1734656.1	1.5 2.8 18.8
D455B	X = 1592373 Y = 441975 Z = 527524	25 22 16	LAT. = 17 42 13.7 LONG. = 15 30 44.6 RAD. = 1734725.7	1.6 2.9 25.5
6455B	X = 1592375 Y = 441969 Z = 527508	29 29 37	LAT. = 17 42 11.9 LONG. = 15 30 43.8 RAD. = 1734721.8	3.4 3.3 38.9
E397G	X = 1595971 Y = 429858 Z = 526535	30 22 16	LAT. = 17 40 11.7 LONG. = 15 4 27.5 RAD. = 1734687.3	2.2 3.0 26.7
E397	X = 1599797 Y = 429576 Z = 514977	29 22 15	LAT. = 17 16 11.5 LONG. = 15 1 49.7 RAD. = 1734672.4	2.0 3.0 26.7
93968	X = 1605380 Y = 432674 Z = 495217	20 21 13	LAT. = 16 35 9.4 LONG. = 15 5 1.3 RAD. = 1734846.3	1.4 2.7 19.9
45773	X = 1524994 Y = 445620 Z = 696185	19 20 13	LAT. = 23 39 45.4 LONG. = 16 17 20.2 RAD. = 1734606.2	1.3 2.8 19.0
45774	X = 1533353 Y = 446950 Z = 676735	19 20 12	LAT. = 22 57 46.4 LONG. = 16 15 2.2 RAD. = 1734620.3	1.3 2.7 18.6
45776	X = 1543659 Y = 444048 Z = 655049	19 20 13	LAT. = 22 11 10.3 LONG. = 16 2 54.2 RAD. = 1734690.4	1.3 2.7 18.9
B5610	X = 1554983 Y = 462485 Z = 614014	22 22 20	LAT. = 20 43 50.9 LONG. = 16 33 49.0 RAD. = 1734611.6	2.0 2.9 24.3
84547	X = 1557903 Y = 470139 Z = 600689	19 20 12	LAT. = 20 15 38.8 LONG. = 16 47 33.3 RAD. = 1734624.2	1.3 2.7 18.8
84548	X = 1567545 Y = 464218 Z = 579881	20 20 13	LAT. = 19 31 47.0 LONG. = 16 29 46.7 RAD. = 1734635.2	1.3 2.7 19.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84550	X = 1577857 Y = 454360 Z = 559555	20 20 12	LAT. = 18 49 5.5 LONG. = 16 3 51.5 RAD. = 1734698.5	1.3 2.7 19.7
93945	X = 1595390 Y = 474702 Z = 489264	21 21 13	LAT. = 16 22 48.2 LONG. = 16 34 12.6 RAD. = 1734932.6	1.4 2.7 19.9
982	X = 1514278 Y = 475064 Z = 700070	23 22 16	LAT. = 23 48 10.7 LONG. = 17 25 4.2 RAD. = 1734596.0	1.6 2.9 23.8
45751	X = 1520317 Y = 474599 Z = 687256	20 20 13	LAT. = 23 20 26.6 LONG. = 17 20 12.6 RAD. = 1734626.2	1.3 2.7 19.1
45752	X = 1527281 Y = 471529 Z = 673807	19 20 13	LAT. = 22 51 27.8 LONG. = 17 9 26.8 RAD. = 1734630.9	1.3 2.7 18.7
45754	X = 1537450 Y = 470532 Z = 651183	19 20 12	LAT. = 22 2 53.4 LONG. = 17 0 59.7 RAD. = 1734702.2	1.3 2.7 18.6
V6245	X = 1534289 Y = 486534 Z = 647539	23 21 14	LAT. = 21 54 54.1 LONG. = 17 35 39.1 RAD. = 1734954.2	1.8 2.8 21.7
1665	X = 1540957 Y = 475336 Z = 639188	35 23 19	LAT. = 21 37 18.8 LONG. = 17 8 36.0 RAD. = 1734662.7	1.6 2.9 37.3
84545	X = 1545835 Y = 485365 Z = 619461	20 20 13	LAT. = 20 55 23.4 LONG. = 17 25 52.9 RAD. = 1734622.6	1.3 2.7 19.6
V6249	X = 1556904 Y = 488816 Z = 588106	22 21 14	LAT. = 19 49 8.1 LONG. = 17 25 50.0 RAD. = 1734577.6	1.5 2.8 21.6
1812	X = 1557842 Y = 494620 Z = 580649	19 20 13	LAT. = 19 33 27.4 LONG. = 17 36 53.4 RAD. = 1734553.1	1.5 2.8 18.3
V6251	X = 1563828 Y = 491195 Z = 56758	22 21 14	LAT. = 19 5 57.3 LONG. = 17 26 14.7 RAD. = 1734641.8	1.5 2.8 21.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

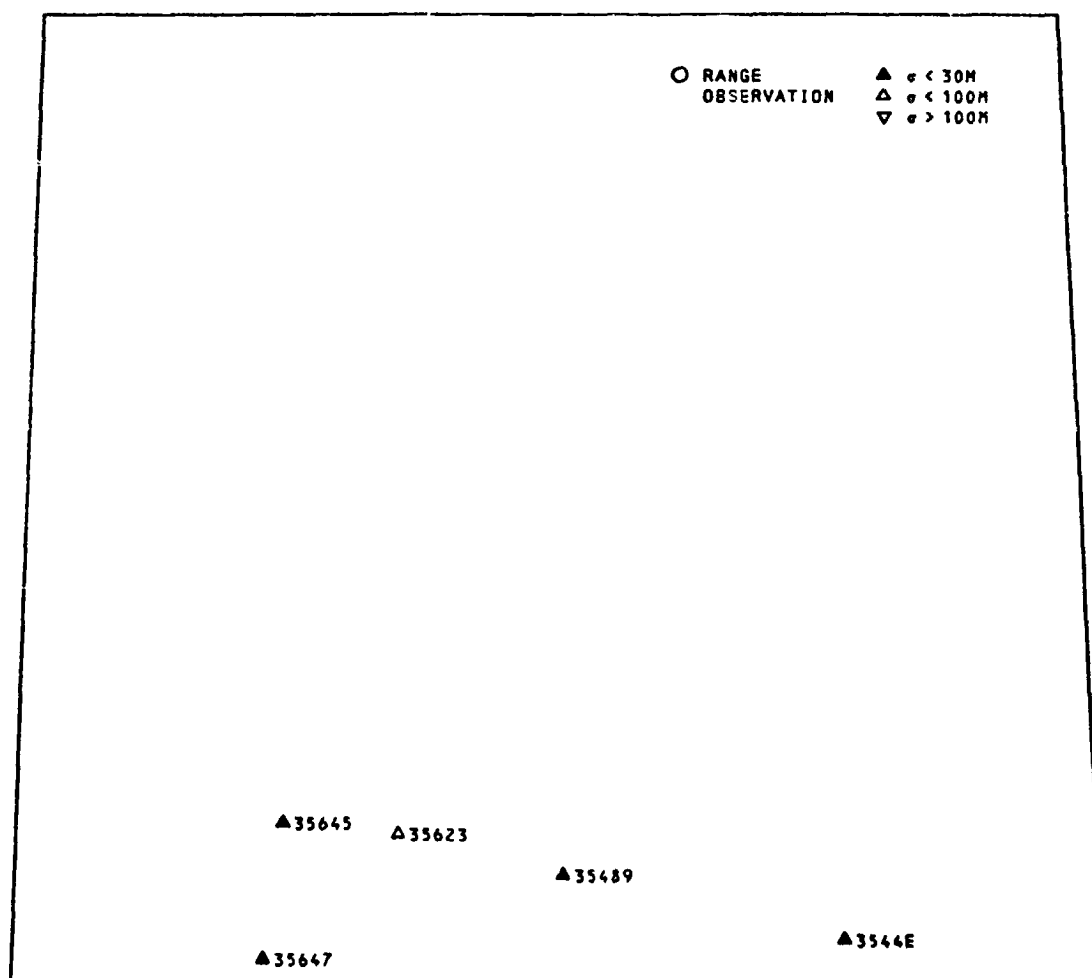
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84526	X = 1560894 Y = 502620 Z = 565496	19 20 12	LAT. = 19 1 36.6 LONG. = 17 50 56.3 RAD. = 1734590.0	1.3 2.6 18.5
2888	X = 1567658 Y = 509180 Z = 540315	20 20 13	LAT. = 18 8 58.0 LONG. = 17 59 38.2 RAD. = 1734576.7	1.5 2.8 18.5
84517	X = 1572596 Y = 495612 Z = 538593	21 21 14	LAT. = 18 5 22.4 LONG. = 17 29 33.1 RAD. = 1734581.2	1.4 2.7 20.8
V6254	X = 1577892 Y = 496393 Z = 522317	20 20 13	LAT. = 17 31 27.5 LONG. = 17 27 47.5 RAD. = 1734637.1	1.4 2.7 19.6
84519	X = 1581004 Y = 489754 Z = 519439	21 21 14	LAT. = 17 25 25.6 LONG. = 17 12 41.8 RAD. = 1734718.6	1.4 2.7 20.6
74145	X = 1587631 Y = 498239 Z = 490129	20 20 13	LAT. = 16 24 45.0 LONG. = 17 25 23.5 RAD. = 1734659.2	1.4 2.7 19.4
45717	X = 1503490 Y = 514811 Z = 695320	19 19 13	LAT. = 23 37 51.3 LONG. = 18 54 6.3 RAD. = 1734642.3	1.3 2.7 18.5
45718	X = 1512485 Y = 514568 Z = 675749	19 19 13	LAT. = 22 55 37.3 LONG. = 18 47 20.4 RAD. = 1734654.8	1.3 2.7 18.5
45720	X = 1526767 Y = 506061 Z = 649864	19 20 12	LAT. = 22 0 .8 LONG. = 18 20 17.7 RAD. = 1734773.0	1.3 2.7 18.5
45722	X = 1535534 Y = 507162 Z = 627750	20 20 13	LAT. = 21 12 56.6 LONG. = 18 16 39.2 RAD. = 1734690.0	1.3 2.7 19.3
84523	X = 1541870 Y = 508071 Z = 610984	20 20 12	LAT. = 20 37 26.8 LONG. = 18 14 16.4 RAD. = 1734589.7	1.3 2.7 19.0
24689	X = 1537155 Y = 522672 Z = 610683	25 21 14	LAT. = 20 36 46.4 LONG. = 18 46 45.7 RAD. = 1734636.7	1.9 2.8 22.4

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B5399	X = 1542179 Y = 526702 Z = 594140	22 22 21	LAT. = 20 1 51.6 LONG. = 18 51 23.9 RAD. = 1734569.8	2.0 2.9 24.1
84525	X = 1551681 Y = 504216 Z = 588677	19 20 12	LAT. = 19 50 23.6 LONG. = 18 0 5.4 RAD. = 1734499.7	1.3 2.7 18.5
84393	X = 1556861 Y = 530968 Z = 550348	19 19 12	LAT. = 18 29 56.3 LONG. = 18 49 55.1 RAD. = 1734538.8	1.2 2.6 18.3
84395	X = 1571975 Y = 520637 Z = 516808	20 20 13	LAT. = 17 19 57.7 LONG. = 18 19 29.4 RAD. = 1734721.4	1.3 2.7 20.0
84397	X = 1580524 Y = 516218 Z = 495202	20 20 13	LAT. = 16 35 6.8 LONG. = 18 5 15.5 RAD. = 1734866.9	1.4 2.7 20.4
E439G	X = 1580529 Y = 516250 Z = 495152	46 25 23	LAT. = 16 35 .5 LONG. = 18 5 19.2 RAD. = 1734866.1	3.8 3.1 40.8
45649	X = 1492347 Y = 542907 Z = 697924	19 19 12	LAT. = 23 43 30.0 LONG. = 19 59 27.9 RAD. = 1734631.2	1.4 2.7 18.4
980	X = 1497404 Y = 543719 Z = 686409	23 21 16	LAT. = 23 18 35.8 LONG. = 19 57 22.8 RAD. = 1734649.1	1.6 2.9 23.5
45651	X = 1506418 Y = 540816 Z = 668815	19 19 13	LAT. = 22 40 41.9 LONG. = 19 44 54.7 RAD. = 1734673.1	1.3 2.7 18.5
1122	X = 1513383 Y = 537541 Z = 655630	19 21 14	LAT. = 22 12 25.1 LONG. = 19 33 16.6 RAD. = 1734684.4	1.6 2.9 18.1
45653	X = 1513260 Y = 540248 Z = 653679	19 19 12	LAT. = 22 8 11.8 LONG. = 19 38 49.3 RAD. = 1734681.0	1.3 2.7 18.1
4565D	X = 1521075 Y = 538426 Z = 636736	22 21 19	LAT. = 21 32 5.9 LONG. = 19 29 34.1 RAD. = 1734648.3	1.9 2.9 23.6

TERRAIN POINTS ON MAP SHEET 42D (CONTINUED)

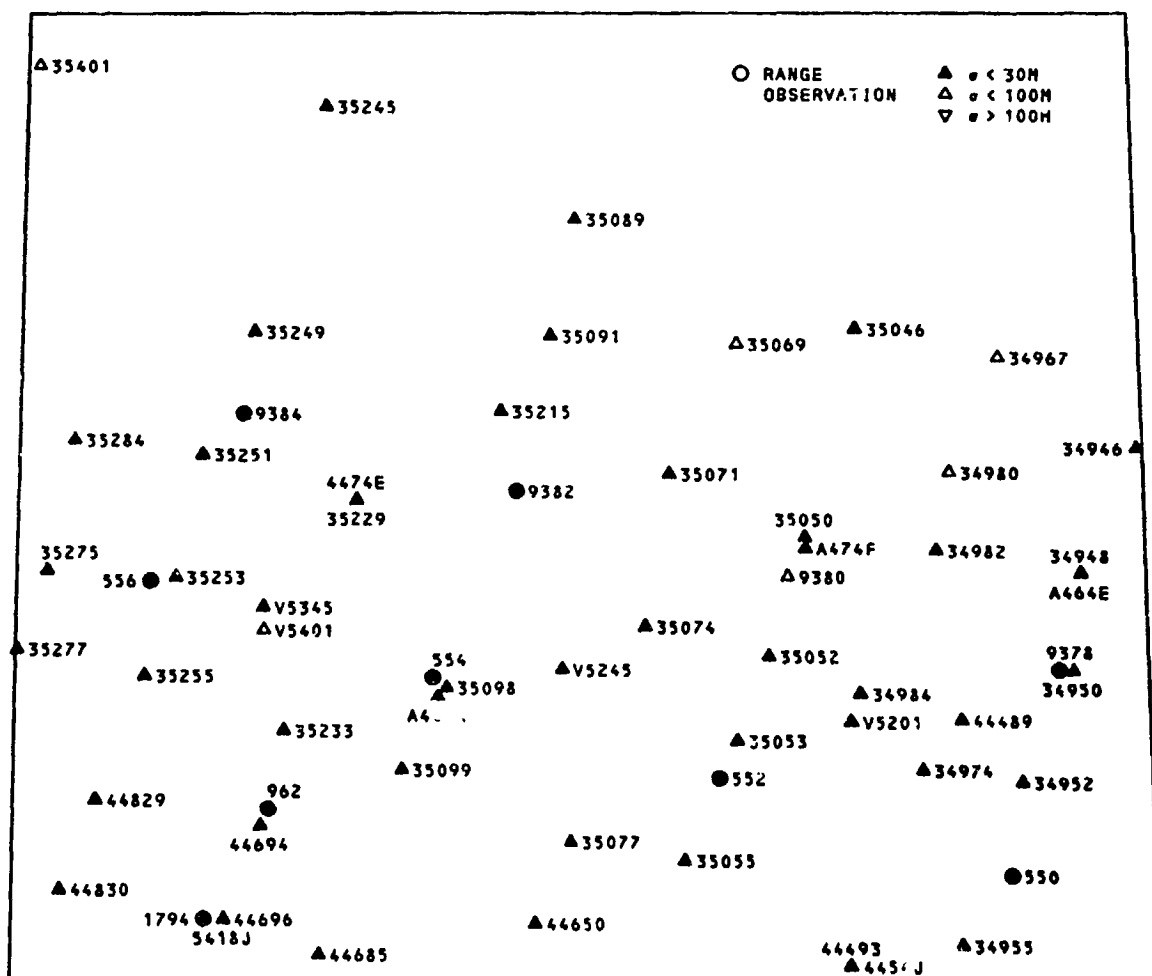
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45655	X = 1527834 Y = 536372 Z = 622074	19 19 12	LAT. = 21 0 55.8 LONG. = 19 20 40.1 RAD. = 1734632.2	1.3 2.7 18.4
84389	X = 1534649 Y = 546226 Z = 596135	20 19 12	LAT. = 20 6 2.3 LONG. = 19 35 31.6 RAD. = 1734614.7	1.3 2.7 18.8
84391	X = 1546759 Y = 538497 Z = 571113	20 20 12	LAT. = 19 13 25.9 LONG. = 19 11 43.1 RAD. = 1734535.3	1.4 2.7 19.3
5439A	X = 1546734 Y = 538521 Z = 571074	25 21 23	LAT. = 19 13 22.1 LONG. = 19 11 47.1 RAD. = 1734507.9	2.1 2.8 27.6
84383	X = 1555776 Y = 560984 Z = 523120	21 20 12	LAT. = 17 33 9.4 LONG. = 19 49 42.1 RAD. = 1734588.3	1.3 2.6 20.1
2033	X = 1556850 Y = 566045 Z = 514244	36 23 17	LAT. = 17 14 45.1 LONG. = 19 58 49.5 RAD. = 1734541.7	1.6 2.8 38.3
84373	X = 1563203 Y = 560151 Z = 500967	21 20 14	LAT. = 16 47 17.0 LONG. = 19 42 51.8 RAD. = 1734457.1	1.4 2.6 20.7
84374	X = 1572146 Y = 551868 Z = 481655	22 20 13	LAT. = 16 7 23.8 LONG. = 19 20 33.1 RAD. = 1734414.4	1.4 2.7 21.3



MAP SHEET 43A

TERRAIN POINTS ON MAP SHEET 43A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35645	X = 1323581	25	LAT. = 25 18 47.1	2.2
	Y = 842329	21	LONG. = 32 28 21.9	2.8
	Z = 742044	15	RAD. = 173.515.5	22.9
35647	X = 1338227	21	LAT. = 24 11 21.5	1.7
	Y = 846007	19	LONG. = 32 18 1.7	2.6
	Z = 711171	13	RAD. = 1735610.4	19.4
35623	X = 1309110	38	LAT. = 25 13 7.9	3.3
	Y = 867938	28	LONG. = 33 32 39.5	2.9
	Z = 739745	18	RAD. = 1736176.5	35.4
35489	X = 1288568	25	LAT. = 24 52 48.8	2.2
	Y = 904602	21	LONG. = 35 4 10.7	2.7
	Z = 730148	15	RAD. = 1735462.3	23.3
3544E	X = 1252471	25	LAT. = 24 20 43.8	2.2
	Y = 966046	21	LONG. = 37 38 36.3	2.7
	Z = 715700	15	RAD. = 1736132.3	22.9



MAP SHEET 43C

TERRAIN POINTS ON MAP SHEET 43C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35401	X = 1218442 Y = 1026040 Z = 695017	42 22 16	LAT. = 23 34 21.2 LONG. = 40 6 1.7 RAD. = 1737932.1	2.9 3.3 35.9
35284	X = 1237556 Y = 1056523 Z = 607617	19 18 12	LAT. = 20 28 34.5 LONG. = 40 29 16.7 RAD. = 1736946.9	1.5 2.3 19.0
35275	X = 1247899 Y = 1057111 Z = 575918	18 18 12	LAT. = 19 23 57.8 LONG. = 40 16 6.1 RAD. = 1733902.5	1.4 2.3 17.5
35277	X = 1258994 Y = 1057112 Z = 557977	18 18 14	LAT. = 18 44 52.5 LONG. = 40 1 6.4 RAD. = 1736055.8	1.4 2.3 19.2
44829	X = 1254971 Y = 1080597 Z = 522220	17 17 12	LAT. = 17 30 6.4 LONG. = 40 43 48.7 RAD. = 1736477.9	1.3 2.2 16.4
44830	X = 1265791 Y = 1078217 Z = 500835	17 16 11	LAT. = 16 45 45.5 LONG. = 40 25 29.2 RAD. = 1736552.5	1.3 2.2 15.8
35251	X = 1216760 Y = 1081789 Z = 603898	18 17 12	LAT. = 20 21 2.5 LONG. = 41 38 22.0 RAD. = 1736509.8	1.4 2.3 16.9
35253	X = 1228540 Y = 1083533 Z = 574920	18 18 13	LAT. = 19 20 22.2 LONG. = 41 24 40.5 RAD. = 1736055.2	1.4 2.3 17.7
556	X = 1233037 Y = 1078829 Z = 574152	18 17 14	LAT. = 19 18 45.2 LONG. = 41 11 1.9 RAD. = 1736059.2	1.6 2.5 15.9
35255	X = 1239537 Y = 1083054 Z = 551588	17 16 11	LAT. = 18 31 33.5 LONG. = 41 8 44.0 RAD. = 1736003.2	1.3 2.2 15.6
1794	X = 1243007 Y = 1107081 Z = 493765	17 16 12	LAT. = 16 31 20.3 LONG. = 41 41 23.2 RAD. = 1736231.5	1.4 2.3 15.0
44696	X = 1239798 Y = 1110826 Z = 493554	19 18 13	LAT. = 16 30 52.9 LONG. = 41 51 34.2 RAD. = 1736268.6	1.4 2.3 19.5

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5418.1	X = 1239790 Y = 1110823 Z = 493551	24 20 15	LAT. = 16 30 52.9 LONG. = 41 51 34.6 RAD. = 1736259.8	2.2 2.5 22.3
35245	X = 1172091 Y = 1082315 Z = 684735	24 21 15	LAT. = 23 13 44.7 LONG. = 42 43 10.4 RAD. = 1736106.8	2.3 2.5 22.2
35249	X = 1199887 Y = 1083896 Z = 632557	19 18 13	LAT. = 21 21 55.8 LONG. = 42 5 33.0 RAD. = 1736286.4	1.6 2.3 18.0
9384	X = 1207148 Y = 1087095 Z = 613572	18 17 14	LAT. = 20 41 29.6 LONG. = 42 0 16.4 RAD. = 1736505.7	1.6 2.5 16.5
V5345	X = 1215727 Y = 1102223 Z = 567830	21 19 14	LAT. = 19 5 13.1 LONG. = 42 11 47.8 RAD. = 1736466.9	1.9 2.4 19.6
V5401	X = 1217774 Y = 1104141 Z = 562771	35 20 15	LAT. = 18 53 56.6 LONG. = 42 11 53.5 RAD. = 1737472.9	2.5 2.9 29.4
35233	X = 1219299 Y = 1112632 Z = 538529	18 17 13	LAT. = 18 4 8.7 LONG. = 42 22 51.6 RAD. = 1736275.9	1.4 2.3 17.2
962	X = 1226360 Y = 1113735 Z = 519891	18 17 14	LAT. = 17 25 23.9 LONG. = 42 14 40.5 RAD. = 1736275.5	1.6 2.4 15.3
44694	X = 1228461 Y = 1113091 Z = 515796	20 20 14	LAT. = 17 16 59.8 LONG. = 42 10 45.4 RAD. = 1736125.9	1.6 2.4 21.7
44685	X = 1224956 Y = 1130105 Z = 434699	17 17 11	LAT. = 16 12 55.9 LONG. = 42 41 37.1 RAD. = 1735680.8	1.3 2.2 16.0
4474E	X = 1193518 Y = 1113809 Z = 593364	24 21 16	LAT. = 19 58 28.9 LONG. = 43 1 17.2 RAD. = 1736990.4	2.3 2.7 21.5
35229	X = 1193606 Y = 1113851 Z = 593304	22 20 14	LAT. = 19 58 18.3 LONG. = 43 1 13.5 RAD. = 1737057.5	1.5 2.4 23.4

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
554	X = 1190592 Y = 1137621 Z = 551168	19 17 15	LAT. = 18 30 20.6 LONG. = 43 41 47.9 RAD. = 1736512.5	1.8 2.6 15.4
35098	X = 1188856 Y = 1140770 Z = 548720	17 17 12	LAT. = 18 25 10.1 LONG. = 43 49 3.0 RAD. = 1736614.2	1.4 2.2 16.3
A485K	X = 1190798 Y = 1139722 Z = 546492	20 20 15	LAT. = 18 20 33.6 LONG. = 43 44 40.2 RAD. = 1736553.5	1.6 2.4 21.7
35099	X = 1201243 Y = 1136754 Z = 529164	17 17 12	LAT. = 17 44 33.4 LONG. = 43 25 12.0 RAD. = 1736436.2	1.4 2.2 16.8
35089	X = 1136928 Y = 1135978 Z = 658911	23 21 16	LAT. = 22 17 33.1 LONG. = 44 58 33.8 RAD. = 1737013.5	2.3 2.6 21.9
35091	X = 1149550 Y = 1139496 Z = 632042	22 20 14	LAT. = 21 19 47.3 LONG. = 44 44 54.1 RAD. = 1737639.6	1.8 2.4 21.8
35215	X = 1162515 Y = 1134735 Z = 614020	20 18 13	LAT. = 20 42 18.3 LONG. = 44 18 25.8 RAD. = 1736687.4	1.6 2.3 19.2
9382	X = 1164780 Y = 1142396 Z = 595375	17 17 14	LAT. = 20 2 54.0 LONG. = 44 26 39.0 RAD. = 1736736.2	1.6 2.4 15.5
V5245	X = 1167601 Y = 1161031 Z = 553157	21 19 14	LAT. = 18 34 9.2 LONG. = 44 50 18.0 RAD. = 1737028.9	1.9 2.3 19.4
35077	X = 1175109 Y = 1171193 Z = 511768	16 16 11	LAT. = 17 8 35.0 LONG. = 44 54 15.7 RAD. = 1736226.3	1.3 2.1 15.4
44650	X = 1185761 Y = 1168879 Z = 492248	16 16 11	LAT. = 16 28 11.2 LONG. = 44 35 21.2 RAD. = 1736264.6	1.2 2.1 15.5
35071	X = 1136796 Y = 1169230 Z = 599598	22 20 13	LAT. = 20 11 14.6 LONG. = 45 48 20.9 RAD. = 1737505.1	1.7 2.3 22.9

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

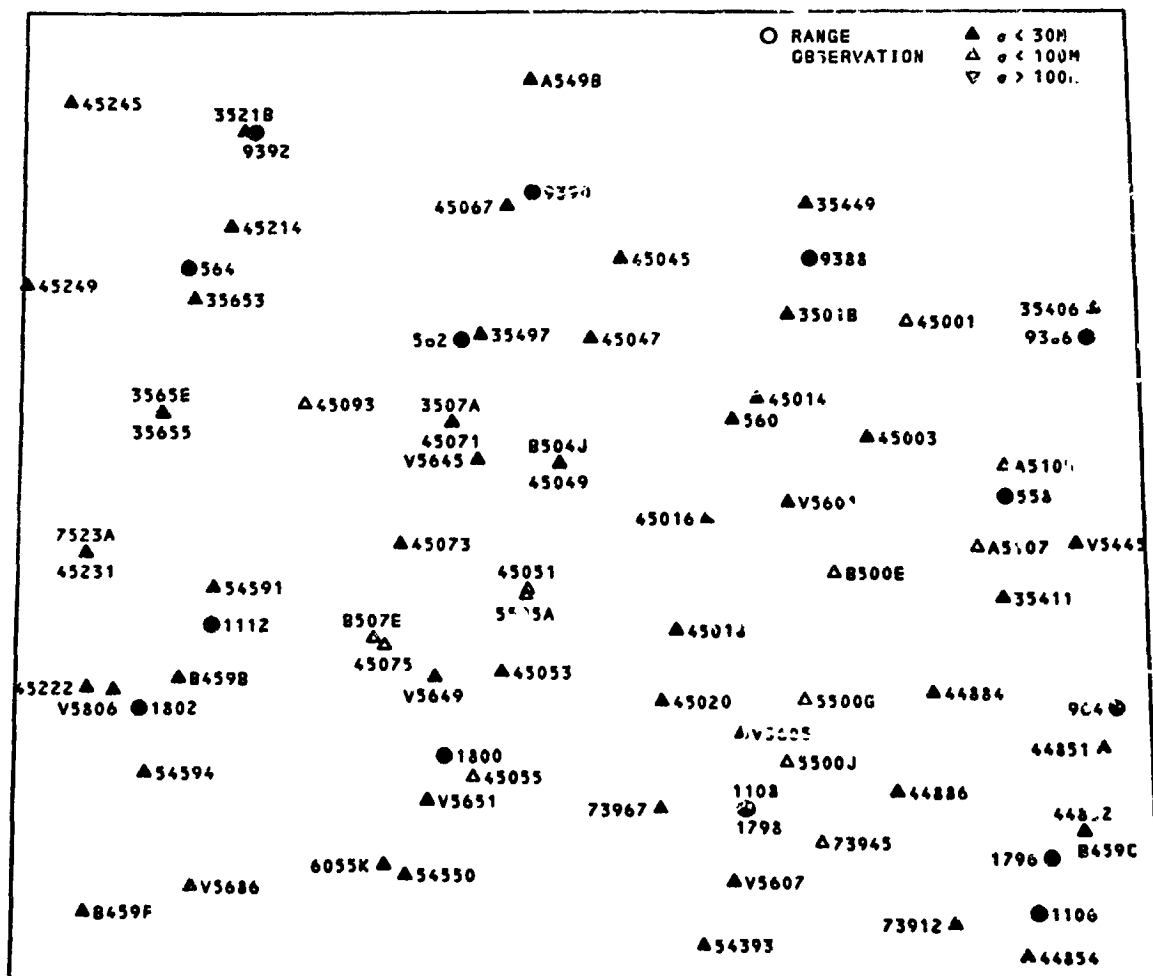
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35074	X = 1149967 Y = 1173450 Z = 563202	18 17 12	LAT. = 13 55 16.6 LONG. = 45 34 44.7 RAD. = 1736837.9	1.4 2.2 17.2
35055	X = 1155635 Y = 1192728 Z = 507237	16 16 11	LAT. = 16 59 2.6 LONG. = 45 54 17.8 RAD. = 1736485.5	1.3 2.1 15.1
35069	X = 1114151 Y = 1170496 Z = 628779	35 28 16	LAT. = 21 15 39.7 LONG. = 46 24 46.0 RAD. = 1734000.6	2.6 2.7 36.6
9380	X = 1120883 Y = 1195463 Z = 574935	33 23 20	LAT. = 19 20 1.3 LONG. = 46 50 31.8 RAD. = 1736690.7	1.8 2.8 35.4
35052	X = 1129271 Y = 1197128 Z = 556246	17 17 12	LAT. = 18 40 30.4 LONG. = 46 40 14.7 RAD. = 1737175.2	1.4 2.1 16.3
35053	X = 1139555 Y = 1195651 Z = 535820	16 16 11	LAT. = 17 58 23.4 LONG. = 46 22 33.9 RAD. = 1736453.7	1.3 2.1 15.8
552	X = 1145178 Y = 1194904 Z = 527193	19 17 15	LAT. = 17 40 6.4 LONG. = 46 13 2.3 RAD. = 1736997.6	1.8 2.5 15.4
35046	X = 1093739 Y = 1192520 Z = 633719	22 20 14	LAT. = 21 23 13.3 LONG. = 47 28 26.4 RAD. = 1737805.3	2.1 2.4 21.6
35050	X = 1115078 Y = 1195950 Z = 584209	20 20 14	LAT. = 19 39 39.4 LONG. = 47 0 15.1 RAD. = 1736374.0	1.6 2.3 21.9
A474F	X = 1115759 Y = 1195861 Z = 581692	22 20 14	LAT. = 19 34 12.7 LONG. = 47 0 30.6 RAD. = 1736594.3	1.9 2.4 21.2
34984	X = 1114150 Y = 1214414 Z = 547060	19 21 13	LAT. = 18 21 47.0 LONG. = 47 27 55.9 RAD. = 1736492.1	1.5 2.2 22.9
V5201	X = 1117461 Y = 1214273 Z = 540395	20 19 14	LAT. = 18 7 55.7 LONG. = 47 22 39.0 RAD. = 1736434.2	1.9 2.3 19.5

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34974	X = 1106972 Y = 1229166 Z = 528908	21 18 13	LAT. = 17 43 53.0 LONG. = 47 59 39.1 RAD. = 1736657.7	1.7 2.3 19.8
44493	X = 1131531 Y = 1227839 Z = 482317	18 17 12	LAT. = 16 6 43.1 LONG. = 47 20 15.0 RAD. = 1737982.0	1.4 2.2 17.0
4454J	X = 1131523 Y = 1227908 Z = 482295	33 22 17	LAT. = 16 6 39.2 LONG. = 47 20 21.4 RAD. = 1738019.0	1.7 2.8 33.9
34967	X = 1068035 Y = 1217970 Z = 626854	34 29 17	LAT. = 21 9 18.0 LONG. = 48 45 9.2 RAD. = 1736982.2	3.1 2.6 35.1
34980	X = 1084701 Y = 1216793 Z = 599822	30 29 15	LAT. = 20 12 7.7 LONG. = 48 17 5.4 RAD. = 1736936.7	2.3 2.5 35.7
34982	X = 1091184 Y = 1218664 Z = 580925	22 21 13	LAT. = 19 33 5.9 LONG. = 48 9 32.2 RAD. = 1735885.9	1.8 2.2 23.1
44489	X = 1096713 Y = 1232936 Z = 540864	23 20 15	LAT. = 18 8 51.7 LONG. = 48 20 4.3 RAD. = 1736005.9	2.1 2.4 21.4
34952	X = 1088733 Y = 1246683 Z = 526199	16 16 11	LAT. = 17 36 10.3 LONG. = 48 52 9.0 RAD. = 1736790.9	1.3 2.0 15.4
550	X = 1096215 Y = 1250114 Z = 504035	17 16 13	LAT. = 16 51 52.4 LONG. = 48 45 9.8 RAD. = 1737390.4	1.6 2.3 14.9
34955	X = 1108649 Y = 1244486 Z = 486941	16 16 11	LAT. = 16 17 10.6 LONG. = 48 18 13.7 RAD. = 1736364.1	1.3 2.0 15.5
34946	X = 1047587 Y = 1246215 Z = 605716	22 20 14	LAT. = 20 24 28.4 LONG. = 49 56 56.7 RAD. = 1737061.2	2.0 2.3 21.7
34943	X = 1065540 Y = 1244605 Z = 575940	20 20 14	LAT. = 19 22 3.7 LONG. = 49 25 56.2 RAD. = 1736699.0	1.7 2.3 21.8

TERRAIN POINTS ON MAP SHEET 43C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A464E	X = 1065622	22	LAT. = 19 21 59.8	2.1
	Y = 1244642	20	LONG. = 49 25 51.4	2.3
	Z = 575934	15	RAD. = 1736773.7	21.0
9378	X = 1075445	17	LAT. = 18 34 4.0	1.6
	Y = 1246728	16	LONG. = 49 13 6.5	2.3
	Z = 553073	14	RAD. = 1736894.9	15.1
34950	X = 1072870	17	LAT. = 18 33 36.4	1.4
	Y = 1249037	17	LONG. = 49 20 19.7	2.1
	Z = 552851	12	RAD. = 1736890.2	17.2



MAP SHEET 43D

TERRAIN POINTS ON MAP SHEET 43D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45245	X = 1375762 Y = 807265 Z = 685690	24 21 15	LAT. = 23 15 40.8 LONG. = 30 24 12.4 RAD. = 1736250.9	1.6 2.7 25.4
45249	X = 1395028 Y = 806484 Z = 643170	19 19 13	LAT. = 21 45 32.9 LONG. = 30 1 58.0 RAD. = 1734988.9	1.4 2.6 18.5
7523A	X = 1406809 Y = 832381 Z = 580438	40 25 19	LAT. = 19 32 58.3 LONG. = 30 36 43.1 RAD. = 1734611.4	3.2 2.9 36.9
45231	X = 1406899 Y = 832491 Z = 580365	19 18 13	LAT. = 19 32 44.7 LONG. = 30 36 49.2 RAD. = 1734713.2	1.4 2.5 18.5
45222	X = 1416498 Y = 838946 Z = 548785	24 19 13	LAT. = 18 26 8.0 LONG. = 30 38 12.8 RAD. = 1735356.0	1.4 2.6 23.0
V5806	X = 1413388 Y = 844845 Z = 548212	21 19 13	LAT. = 18 24 50.5 LONG. = 30 52 7.2 RAD. = 1735501.5	1.5 2.6 20.3
B459F	X = 1431615 Y = 847533 Z = 495372	20 21 15	LAT. = 16 34 52.5 LONG. = 30 37 33.7 RAD. = 1735865.2	1.6 2.6 21.4
3521B	X = 1355596 Y = 846460 Z = 679070	20 19 13	LAT. = 23 1 15.4 LONG. = 31 58 53.2 RAD. = 1736453.4	1.5 2.6 19.4
45214	X = 1365670 Y = 849002 Z = 657366	20 19 14	LAT. = 22 14 4.1 LONG. = 31 52 5.3 RAD. = 1737236.1	1.5 2.6 19.3
564	X = 1373593 Y = 841296 Z = 647434	19 19 14	LAT. = 21 53 50.5 LONG. = 31 29 11.7 RAD. = 1736003.7	1.6 2.7 17.2
35653	X = 1375135 Y = 844134 Z = 640054	19 18 13	LAT. = 21 38 12.9 LONG. = 31 32 38.1 RAD. = 1735864.8	1.4 2.5 17.8
3565E	X = 1387329 Y = 842298 Z = 613490	23 20 14	LAT. = 20 42 23.0 LONG. = 31 15 48.5 RAD. = 1735083.9	1.9 2.6 20.6

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C

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35655	X = 1387352 Y = 842460 Z = 613238	18 18 13	LAT. = 20 41 50.6 LONG. = 31 16 4.6 RAD. = 1735092.0	1.4 2.5 17.7
54591	X = 1392678 Y = 861580 Z = 572016	19 18 12	LAT. = 19 15 14.1 LONG. = 31 44 34.8 RAD. = 1734668.1	1.4 2.4 17.2
1112	X = 1396737 Y = 863656 Z = 563839	19 19 14	LAT. = 18 56 59.0 LONG. = 31 43 48.3 RAD. = 1736286.4	1.6 2.6 17.2
84598	X = 1404277 Y = 858482 Z = 551039	22 19 13	LAT. = 18 30 37.1 LONG. = 31 26 19.8 RAD. = 1735692.4	1.5 2.5 21.3
1802	X = 1411559 Y = 851508 Z = 544104	19 18 13	LAT. = 18 15 57.5 LONG. = 31 6 .1 RAD. = 1735976.7	1.5 2.5 16.6
54594	X = 1413888 Y = 854658 Z = 528237	19 18 12	LAT. = 17 43 50.6 LONG. = 31 9 6.7 RAD. = 1734518.7	1.3 2.4 17.4
V5686	X = 1416100 Y = 869929 Z = 501394	19 18 12	LAT. = 16 47 16.5 LONG. = 31 33 46.6 RAD. = 1735946.9	1.4 2.4 17.5
9392	X = 1354140 Y = 848607 Z = 678900	19 19 15	LAT. = 23 1 1.1 LONG. = 32 4 27.8 RAD. = 1736299.2	1.7 2.7 17.6
45093	X = 1368760 Y = 873520 Z = 615773	30 23 16	LAT. = 20 46 5.8 LONG. = 32 32 43.2 RAD. = 1736582.1	2.4 2.8 28.1
562	X = 1341830 Y = 903248 Z = 630500	19 19 14	LAT. = 21 17 44.1 LONG. = 33 56 46.7 RAD. = 1736057.1	1.6 2.6 16.7
3507A	X = 1349421 Y = 905362 Z = 611127	20 21 20	LAT. = 20 36 36.8 LONG. = 33 51 31.4 RAD. = 1736114.8	2.0 2.7 23.3
45071	X = 1349427 Y = 905334 Z = 611090	20 18 13	LAT. = 20 36 33.1 LONG. = 33 51 27.9 RAD. = 1736091.6	1.5 2.5 18.6

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
45073	X = 1365115 Y = 900129 Z = 582518	19 18 12	LAT. = 19 36 29.2 LONG. = 33 24 .1 RAD. = 1735827.3	1.3 2.4 17.5
B507E	X = 1375854 Y = 899128 Z = 560565	75 20 31	LAT. = 18 49 56.8 LONG. = 33 9 53.4 RAD. = 1736559.4	1.9 5.4 69.7
45075	X = 1374897 Y = 901752 Z = 558849	22 33 34	LAT. = 18 46 19.6 LONG. = 33 15 34.6 RAD. = 1736608.5	3.1 3.4 35.9
V5649	X = 1369960 Y = 913740 Z = 551187	21 19 13	LAT. = 18 30 22.5 LONG. = 33 42 9.4 RAD. = 1736524.9	1.5 2.5 20.3
1800	X = 1372032 Y = 917951 Z = 531877	18 18 13	LAT. = 17 51 31.4 LONG. = 33 47 3.5 RAD. = 1734358.1	1.5 2.5 16.4
V5651	X = 1379596 Y = 917876 Z = 522096	20 19 14	LAT. = 17 29 18.4 LONG. = 33 38 12.1 RAD. = 1737344.5	1.5 2.5 20.2
6055K	X = 1388820 Y = 910667 Z = 506534	25 20 15	LAT. = 16 57 42.3 LONG. = 33 15 12.1 RAD. = 1736292.7	2.0 2.6 23.2
54550	X = 1387057 Y = 916054 Z = 504375	20 18 12	LAT. = 16 52 45.4 LONG. = 33 26 31.1 RAD. = 1737088.9	1.4 2.4 18.3
A549B	X = 1311570 Y = 904140 Z = 690523	25 21 15	LAT. = 23 26 7.0 LONG. = 34 34 50.6 RAD. = 1736232.9	2.1 2.7 22.9
9390	X = 1319944 Y = 910214 Z = 664448	19 19 15	LAT. = 22 30 34.9 LONG. = 34 35 22.5 RAD. = 1735578.2	1.7 2.7 17.1
45067	X = 1324735 Y = 905647 Z = 661211	22 21 16	LAT. = 22 23 37.4 LONG. = 34 21 29.6 RAD. = 1735602.9	1.7 2.7 23.3
35497	X = 1338768 Y = 906966 Z = 631661	20 20 15	LAT. = 21 20 12.3 LONG. = 34 6 58.3 RAD. = 1736054.1	1.6 2.6 20.5

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V5645	X = 1348597 Y = 912550 Z = 602362	23 20 14	LAT. = 20 18 2.7 LONG. = 34 5 5.6 RAD. = 1736174.2	1.9 2.6 20.6
B504J	X = 1336949 Y = 929817 Z = 601435	46 21 16	LAT. = 20 16 12.7 LONG. = 34 49 3.8 RAD. = 1736005.2	2.7 3.6 38.6
45049	X = 1336987 Y = 929890 Z = 601382	19 19 14	LAT. = 20 16 3.7 LONG. = 34 49 8.6 RAD. = 1736056.1	1.5 2.5 19.0
45051	X = 1349905 Y = 928759 Z = 571463	26 27 30	LAT. = 19 13 36.6 LONG. = 34 31 43.3 RAD. = 1735340.3	2.6 2.8 36.1
5505A	X = 1352046 Y = 929699 Z = 570716	36 32 22	LAT. = 19 10 43.1 LONG. = 34 30 48.0 RAD. = 1737263.7	3.8 2.8 36.1
45053	X = 1359942 Y = 927425 Z = 552195	18 18 12	LAT. = 18 32 40.7 LONG. = 34 17 32.6 RAD. = 1736225.4	1.4 2.4 17.2
45055	X = 1371559 Y = 926336 Z = 527676	36 21 24	LAT. = 17 41 .5 LONG. = 34 2 4.8 RAD. = 1737157.1	2.0 3.0 37.7
45045	X = 1312437 Y = 932007 Z = 648940	23 21 15	LAT. = 21 57 23.5 LONG. = 35 22 47.6 RAD. = 1735584.1	1.6 2.6 25.2
45047	X = 1323073 Y = 930030 Z = 630541	22 22 16	LAT. = 21 18 .4 LONG. = 35 6 16.6 RAD. = 1735816.8	1.6 2.6 25.1
45018	X = 1332414 Y = 962255 Z = 562176	19 18 14	LAT. = 18 52 59.6 LONG. = 35 50 11.0 RAD. = 1737038.7	1.5 2.5 18.8
45020	X = 1338664 Y = 961879 Z = 545021	20 21 21	LAT. = 18 17 44.7 LONG. = 35 41 55.0 RAD. = 1736168.1	2.1 2.6 23.0
73967	X = 1345774 Y = 966262 Z = 519520	27 23 17	LAT. = 17 24 37.5 LONG. = 35 40 41.7 RAD. = 1736280 2	2.5 2.5 26.1

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

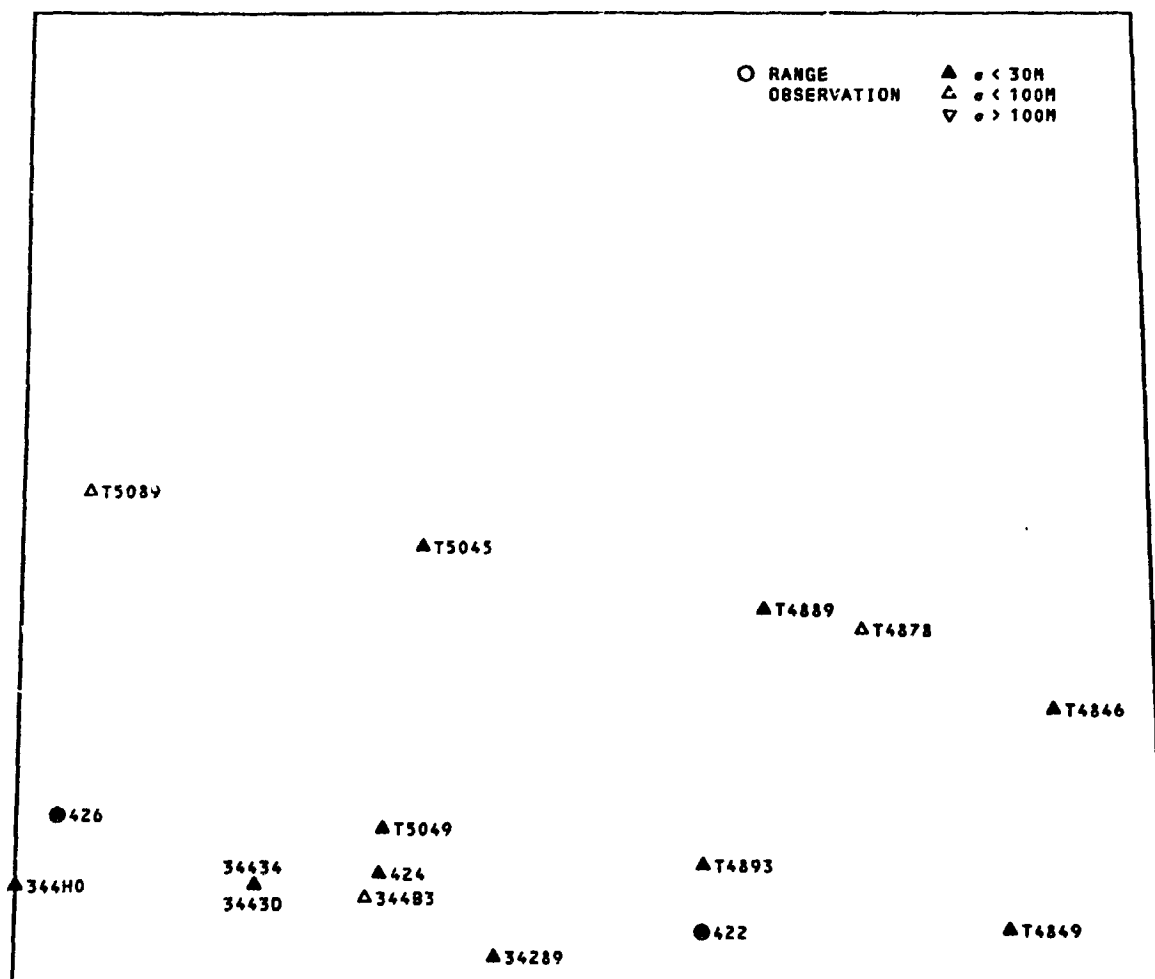
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35018	X = 1292069 Y = 969256 Z = 636036	19 18 13	LAT. = 21 29 36.7 LONG. = 36 52 32.5 RAD. = 1735926.5	1.5 2.4 19.2
45014	X = 1302924 Y = 967327 Z = 616371	22 20 15	LAT. = 20 47 53.8 LONG. = 36 35 28.4 RAD. = 1735870.4	1.6 2.6 23.1
560	X = 1308274 Y = 963094 Z = 611365	22 21 15	LAT. = 20 37 22.4 LONG. = 36 21 32.0 RAD. = 1735770.3	1.6 2.6 23.1
V5601	X = 1305907 Y = 978665 Z = 592029	22 19 14	LAT. = 19 56 23.0 LONG. = 36 50 54.2 RAD. = 1735994.5	1.9 2.5 20.3
45016	X = 1319195 Y = 962942 Z = 588439	18 19 15	LAT. = 19 48 48.0 LONG. = 36 7 38.8 RAD. = 1736027.9	1.5 2.4 19.4
5500G	X = 1317012 Y = 991200 Z = 545016	45 21 18	LAT. = 18 17 46.7 LONG. = 36 57 56.1 RAD. = 1736099.1	3.0 3.5 37.0
V5605	X = 1329022 Y = 979706 Z = 537364	20 19 13	LAT. = 18 1 40.6 LONG. = 36 23 46.6 RAD. = 1736342.1	1.5 2.4 20.0
5500J	X = 1323861 Y = 990101 Z = 530352	43 21 16	LAT. = 17 47 12.8 LONG. = 36 47 32.7 RAD. = 1736140.0	2.5 3.4 37.0
1108	X = 1333228 Y = 983509 Z = 519400	19 18 14	LAT. = 17 24 23.7 LONG. = 36 24 57.0 RAD. = 1736249.4	1.6 2.5 16.8
1798	X = 1332859 Y = 984086 Z = 519371	19 18 14	LAT. = 17 24 18.8 LONG. = 36 26 22.0 RAD. = 1736284.9	1.6 2.6 16.2
V5607	X = 1339299 Y = 984370 Z = 501903	20 19 14	LAT. = 16 48 8.4 LONG. = 36 18 55.8 RAD. = 1736263.8	1.5 2.4 20.1
54393	X = 1347579 Y = 980501 Z = 486794	18 17 11	LAT. = 16 16 58.9 LONG. = 36 2 22.9 RAD. = 1736179.9	1.3 2.3 16.5

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
35449	X = 1280641 Y = 967090 Z = 661634	20 19 13	LAT. = 22 24 21.2 LONG. = 37 3 31.2 RAD. = 1735817.8	1.6 2.5 19.2
9388	X = 1284393 Y = 970846 Z = 649011	19 18 15	LAT. = 21 57 16.5 LONG. = 37 5 5.6 RAD. = 1735921.3	1.7 2.6 17.3
45001	X = 1274322 Y = 993525 Z = 634356	34 26 15	LAT. = 21 26 2.7 LONG. = 37 56 30.3 RAD. = 1735913.5	2.2 2.7 36.0
45003	X = 1289166 Y = 991539 Z = 607282	22 21 16	LAT. = 20 28 31.5 LONG. = 37 33 54.1 RAD. = 1736056.0	1.6 2.5 24.9
B500E	X = 1303968 Y = 991427 Z = 575304	46 21 16	LAT. = 19 21 6.3 LONG. = 37 14 46.6 RAD. = 1736155.6	2.6 3.5 38.8
44886	X = 1308903 Y = 1013821 Z = 523107	17 17 11	LAT. = 17 32 3.9 LONG. = 37 45 35.5 RAD. = 1736289.4	1.3 2.3 16.3
73945	X = 1323917 Y = 1000798 Z = 511111	36 31 24	LAT. = 17 7 1.7 LONG. = 37 5 13.1 RAD. = 1736544.1	4.0 2.5 36.6
A5105	X = 1269891 Y = 1020151 Z = 600575	35 22 19	LAT. = 20 14 20.0 LONG. = 38 46 34.4 RAD. = 1736093.5	1.8 2.9 36.2
558	X = 1271893 Y = 1021891 Z = 593469	18 18 14	LAT. = 19 59 18.8 LONG. = 38 46 47.4 RAD. = 1736138.8	1.6 2.5 15.8
A5107	X = 1279922 Y = 1019047 Z = 581418	33 22 23	LAT. = 19 33 51.0 LONG. = 38 31 33.8 RAD. = 1736290.4	2.0 2.8 36.0
35411	X = 1279649 Y = 1026301 Z = 569418	20 17 14	LAT. = 19 8 36.1 LONG. = 38 43 48.8 RAD. = 1736385.0	1.5 2.4 18.9
44884	X = 1296955 Y = 1016803 Z = 546778	18 17 12	LAT. = 18 21 17.0 LONG. = 38 5 46.2 RAD. = 1736359.7	1.3 2.3 16.9

TERRAIN POINTS ON MAP SHEET 43D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1106	X = 1294549 Y = 1046543 Z = 494092	18 18 14	LAT. = 16 31 53.4 LONG. = 38 57 10.3 RAD. = 1736443.6	1.6 2.5 15.9
73912	X = 1308139 Y = 1030608 Z = 491399	28 21 17	LAT. = 16 26 23.7 LONG. = 38 13 57.2 RAD. = 1736333.1	2.5 2.5 26.1
44854	X = 1298800 Y = 1046154 Z = 483654	17 16 11	LAT. = 16 10 21.2 LONG. = 38 51 2.4 RAD. = 1736444.7	1.2 2.2 15.4
35406	X = 1243864 Y = 1029575 Z = 637322	30 20 15	LAT. = 21 32 21.4 LONG. = 39 36 55.3 RAD. = 1735914.8	1.7 2.7 29.8
9386	X = 1247143 Y = 1029717 Z = 630724	18 18 14	LAT. = 21 18 18.0 LONG. = 39 32 42.5 RAD. = 1735942.7	1.7 2.5 16.3
V5445	X = 1263997 Y = 1038030 Z = 582109	21 19 14	LAT. = 19 35 26.1 LONG. = 39 23 37.7 RAD. = 1736100.2	1.9 2.4 19.7
964	X = 1268694 Y = 1053345 Z = 543157	19 19 15	LAT. = 18 13 53.1 LONG. = 39 42 5.2 RAD. = 1736127.8	1.8 2.6 16.7
44851	X = 1273618 Y = 1052478 Z = 533448	19 19 12	LAT. = 17 53 37.0 LONG. = 39 34 9.4 RAD. = 1736197.3	1.5 2.4 19.0
44852	X = 1282132 Y = 1052218 Z = 513786	17 16 11	LAT. = 17 12 40.5 LONG. = 39 22 30.0 RAD. = 1736375.9	1.3 2.2 15.6
B459C	X = 1282107 Y = 1052240 Z = 513740	23 21 15	LAT. = 17 12 35.5 LONG. = 39 22 34.0 RAD. = 1736357.1	1.8 2.6 22.0
1796	X = 1289085 Y = 1046810 Z = 507303	18 17 13	LAT. = 16 59 15.7 LONG. = 39 4 42.8 RAD. = 1736349.0	1.4 2.4 15.5



MAP SHEET 44C

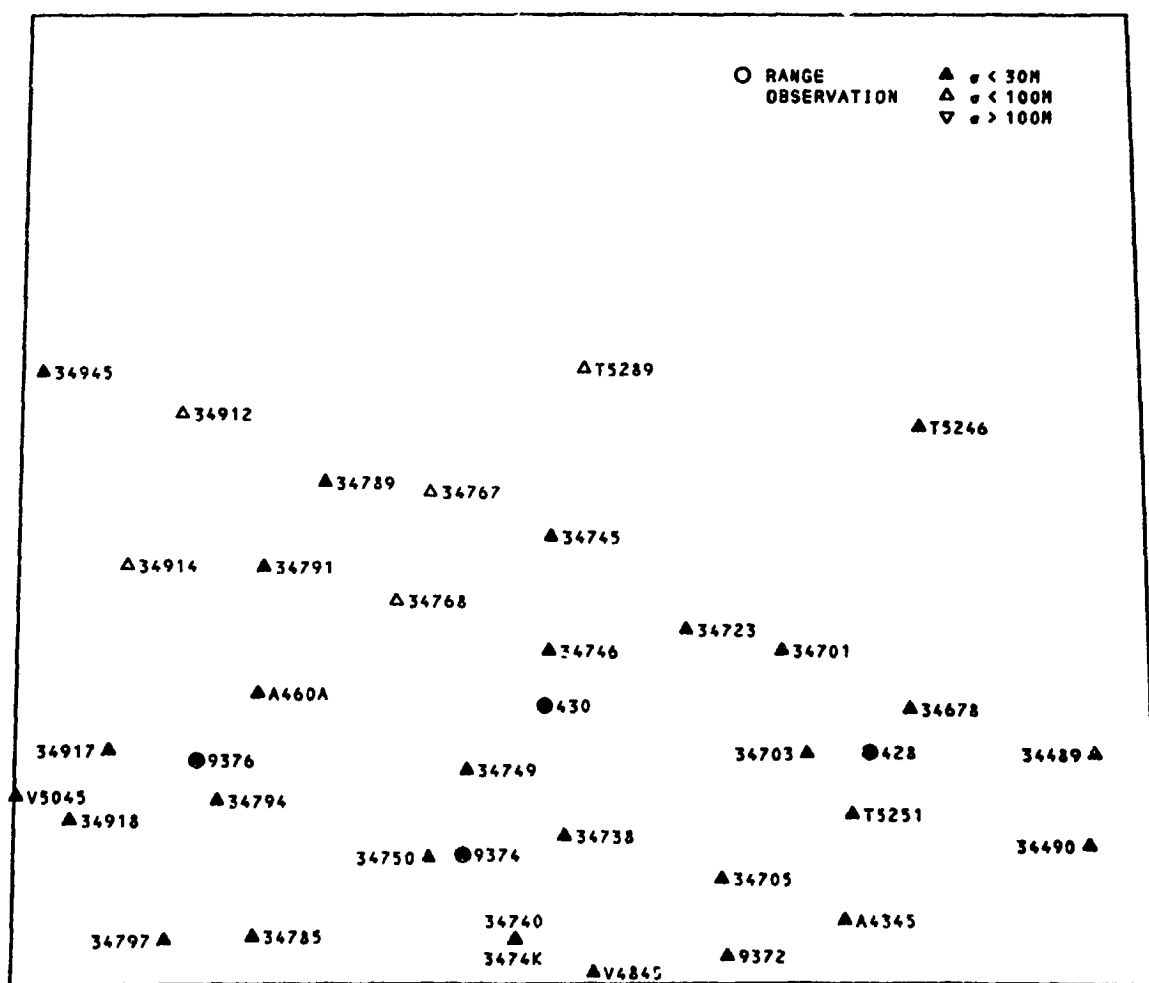
TERRAIN POINTS ON MAP SHEET 44C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T5089	X = 799567 Y = 1418837 Z = 594777	19 38 18	LAT. = 20 3 44.5 LONG. = 60 35 49.7 RAD. = 1733830.0	3.2 2.4 32.4
426	X = 818166 Y = 1437980 Z = 518432	15 15 13	LAT. = 17 23 55.6 LONG. = 60 21 41.3 RAD. = 1733768.9	1.5 2.0 14.2
344H0	X = 829857 Y = 1437354 Z = 501545	16 19 14	LAT. = 16 48 51.0 LONG. = 60 0 .0 RAD. = 1733838.1	1.5 2.0 19.6
34434	X = 776665 Y = 1466515 Z = 501623	16 17 12	LAT. = 16 49 8.0 LONG. = 62 5 39.6 RAD. = 1733638.5	1.5 1.8 17.7
34+3D	X = 776726 Y = 1466544 Z = 501588	18 20 14	LAT. = 16 49 2.1 LONG. = 62 5 34.6 RAD. = 1733679.3	2.0 1.9 20.0
T5045	X = 727162 Y = 1462507 Z = 581525	17 21 14	LAT. = 19 35 52.2 LONG. = 63 33 48.0 RAD. = 1733742.4	2.1 1.9 20.4
T5049	X = 746060 Y = 1477863 Z = 514947	16 20 13	LAT. = 17 16 42.3 LONG. = 63 12 51.4 RAD. = 1733739.7	1.5 1.9 20.2
424	X = 748512 Y = 1480430 Z = 504199	16 19 13	LAT. = 16 54 21.3 LONG. = 63 10 43.1 RAD. = 1733828.2	1.5 1.9 20.1
344B3	X = 752435 Y = 1480281 Z = 498452	25 25 18	LAT. = 16 42 30.3 LONG. = 63 3 19.9 RAD. = 1733736.9	1.7 2.3 31.8
34289	X = 725096 Y = 1498655 Z = 484170	14 17 11	LAT. = 16 12 55.5 LONG. = 64 10 51.1 RAD. = 1733826.0	1.4 1.7 16.2
422	X = 676568 Y = 1519348 Z = 489985	14 15 13	LAT. = 16 24 55.4 LONG. = 65 59 47.4 RAD. = 1733853.5	1.5 1.8 14.6
T4889	X = 651402 Y = 1503804 Z = 566687	17 21 14	LAT. = 19 4 29.2 LONG. = 66 34 45.2 RAD. = 1734037.0	2.0 1.9 20.1

TERRAIN POINTS ON MAP SHEET 44C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4893	X = 674133 Y = 1515330 Z = 505938	15 20 13	LAT. = 16 57 52.5 LONG. = 66 1 0 RAD. = 1733970.3	1.6 1.8 19.8
T4878	X = 629219 Y = 1514951 Z = 561819	20 35 18	LAT. = 18 54 19.8 LONG. = 67 26 41.8 RAD. = 1733964.4	3.1 2.0 32.0
T4849	X = 604774 Y = 1549465 Z = 490275	15 20 13	LAT. = 16 25 24.1 LONG. = 68 40 43.4 RAD. = 1734059.8	1.5 1.8 20.1
T4846	X = 587658 Y = 1539716 Z = 543301	16 21 14	LAT. = 18 14 43.7 LONG. = 69 6 35.4 RAD. = 1735293.2	1.9 1.8 20.1

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MAP SHEET 44D

TERRAIN POINTS ON MAP SHEET 44D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34945	X = 1037265 Y = 1244020 Z = 623477	23 21 15	LAT. = 21 3 11.2 LONG. = 50 10 43.1 RAD. = 1735577.4	2.2 2.4 22.1
34914	X = 1029864 Y = 1270139 Z = 577584	32 30 15	LAT. = 19 27 15.1 LONG. = 50 57 50.0 RAD. = 1734207.5	2.3 2.5 36.8
34917	X = 1042263 Y = 1279108 Z = 533822	21 20 13	LAT. = 17 55 41.1 LONG. = 50 49 32.2 RAD. = 1734184.5	1.6 2.2 23.3
V5045	X = 1062319 Y = 1266835 Z = 522885	20 19 14	LAT. = 17 33 1.7 LONG. = 50 1 5.2 RAD. = 1734013.3	2.0 2.2 19.9
34918	X = 1053007 Y = 1276969 Z = 517167	18 18 12	LAT. = 17 21 7.3 LONG. = 50 29 25.9 RAD. = 1734051.9	1.5 2.1 17.7
34912	X = 1012445 Y = 1269852 Z = 613937	36 30 19	LAT. = 20 42 28.5 LONG. = 51 26 5.5 RAD. = 1736227.6	3.4 2.7 35.7
9376	X = 1025325 Y = 1293538 Z = 531428	17 16 14	LAT. = 17 50 46.9 LONG. = 51 35 52.3 RAD. = 1734055.2	1.6 2.2 14.7
34794	X = 1023050 Y = 1299157 Z = 521678	17 17 12	LAT. = 17 30 33.5 LONG. = 51 46 49.9 RAD. = 1733951.8	1.4 2.1 17.3
34797	X = 1039732 Y = 1299015 Z = 488485	16 16 12	LAT. = 16 21 40.8 LONG. = 51 19 34.4 RAD. = 1734099.3	1.3 2.0 16.6
34789	X = 986022 Y = 1295272 Z = 596944	23 21 15	LAT. = 20 8 17.1 LONG. = 52 43 11.7 RAD. = 1733871.6	2.2 2.4 22.4
34791	X = 1002667 Y = 1291581 Z = 577053	21 21 14	LAT. = 19 26 19.9 LONG. = 52 10 38.8 RAD. = 1733929.5	1.9 2.3 22.4
A460A	X = 1009871 Y = 1298787 Z = 547151	22 20 15	LAT. = 18 23 44.8 LONG. = 52 7 59.4 RAD. = 1733799.2	2.1 2.3 21.6

TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34785	X = 1021833 Y = 1312353 Z = 489160	16 16 11	LAT. = 16 23 18.7 LONG. = 52 5 41.0 RAD. = 1733693.2	1.3 2.0 15.7
34767	X = 964979 Y = 1311886 Z = 594640	36 32 20	LAT. = 20 3 31.4 LONG. = 53 39 46.9 RAD. = 1733731.9	3.6 2.6 37.2
34768	X = 977543 Y = 1314365 Z = 569168	32 31 16	LAT. = 19 9 39.1 LONG. = 53 21 37.5 RAD. = 1734098.3	2.7 2.5 36.9
34749	X = 971052 Y = 1335388 Z = 528892	18 18 12	LAT. = 17 45 41.2 LONG. = 53 58 35.5 RAD. = 1733761.2	1.6 2.1 18.7
9374	X = 975677 Y = 1339770 Z = 508751	16 16 13	LAT. = 17 3 51.8 LONG. = 53 56 10.7 RAD. = 1733712.5	1.6 2.2 14.4
34750	X = 982743 Y = 1334839 Z = 508044	17 18 12	LAT. = 17 2 24.6 LONG. = 53 38 18.8 RAD. = 1733691.6	1.5 2.0 18.7
34745	X = 942573 Y = 1332865 Z = 584151	16 19 13	LAT. = 19 41 19.7 LONG. = 54 43 58.4 RAD. = 1733841.4	1.7 2.0 18.2
34746	X = 948552 Y = 1340092 Z = 557169	16 19 12	LAT. = 18 44 42.4 LONG. = 54 42 29.4 RAD. = 1733792.0	1.5 2.0 18.1
430	X = 952038 Y = 1342920 Z = 544151	16 17 15	LAT. = 18 17 30.6 LONG. = 54 39 57.5 RAD. = 1733756.5	1.7 2.2 15.9
34738	X = 953856 Y = 1353757 Z = 513098	16 17 11	LAT. = 17 12 52.8 LONG. = 54 49 53.4 RAD. = 1733715.2	1.4 1.9 16.0
34740	X = 968419 Y = 1352481 Z = 488572	16 17 11	LAT. = 16 22 5.3 LONG. = 54 23 46.1 RAD. = 1733708.0	1.4 1.9 16.7
3474K	X = 968703 Y = 1352316 Z = 488295	17 30 25	LAT. = 16 21 32.5 LONG. = 54 23 5.6 RAD. = 1733659.2	2.3 2.6 30.9

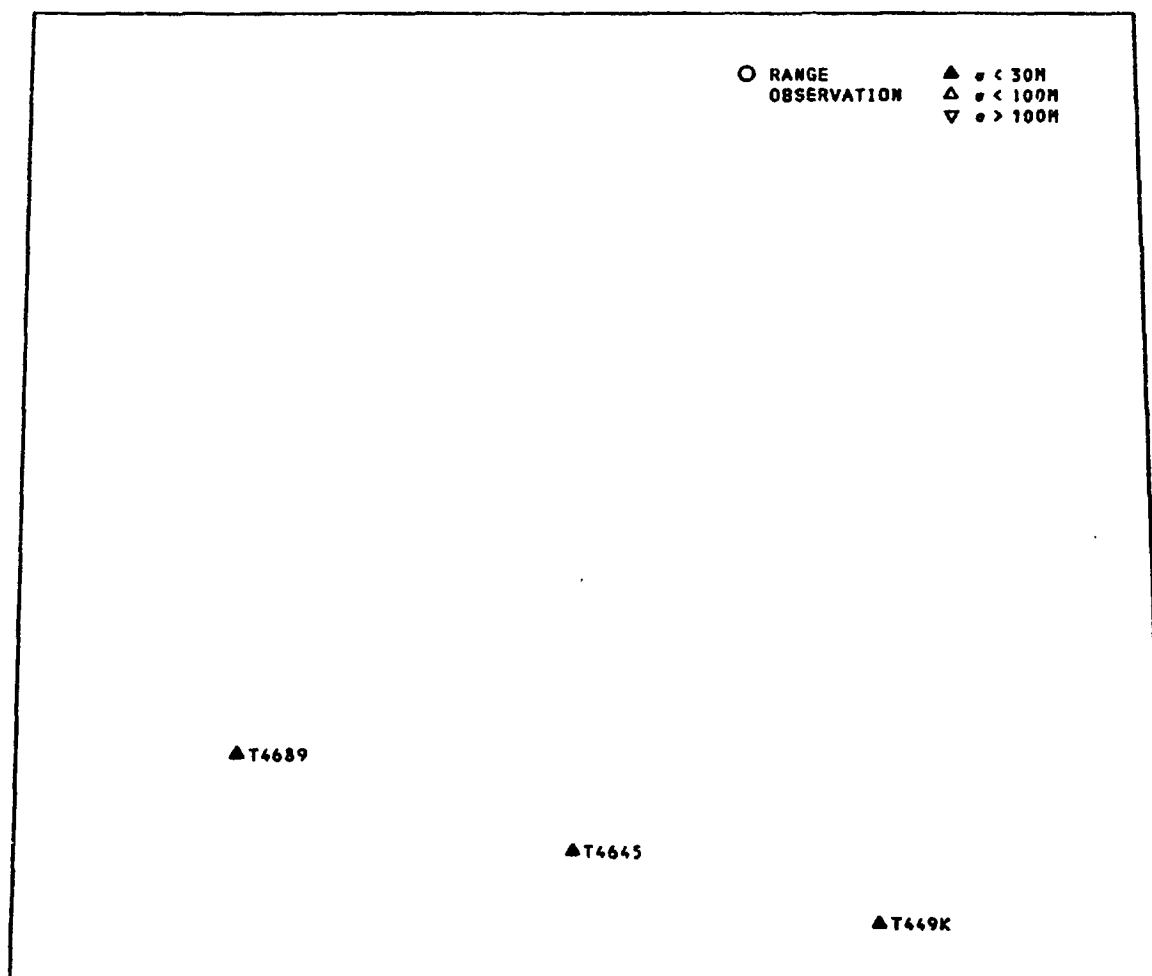
TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T5289	X = 927167 Y = 1325709 Z = 623430	22 36 19	LAT. = 21 4 30.0 LONG. = 55 1 55.3 RAD. = 1733726.3	3.3 2.4 31.9
34723	X = 919051 Y = 1358506 Z = 562117	19 21 13	LAT. = 18 55 2.7 LONG. = 55 55 15.7 RAD. = 1733831.0	1.7 2.0 22.1
V4845	X = 953708 Y = 1365791 Z = 480496	15 16 11	LAT. = 16 5 23.8 LONG. = 55 4 26.6 RAD. = 1733730.4	1.4 1.9 15.3
34701	X = 899945 Y = 1373354 Z = 557213	21 22 15	LAT. = 18 44 42.6 LONG. = 56 45 48.9 RAD. = 1733922.5	2.2 2.2 22.1
34703	X = 899376 Y = 1383466 Z = 532736	15 17 11	LAT. = 17 53 33.5 LONG. = 56 58 21.2 RAD. = 1733972.9	1.4 1.9 16.4
34705	X = 922895 Y = 1378815 Z = 502873	17 18 12	LAT. = 16 51 40.8 LONG. = 56 12 14.6 RAD. = 1733709.7	1.5 2.0 18.6
9372	X = 924986 Y = 1383986 Z = 484342	18 21 14	LAT. = 16 13 22.3 LONG. = 56 14 35.7 RAD. = 1733667.8	1.6 2.1 22.2
34678	X = 875404 Y = 1394514 Z = 543267	16 17 12	LAT. = 18 15 37.2 LONG. = 57 52 53.5 RAD. = 1733823.0	1.5 1.9 17.4
428	X = 885987 Y = 1391859 Z = 533088	15 15 13	LAT. = 17 54 20.1 LONG. = 57 31 16.4 RAD. = 1733905.6	1.5 2.0 14.5
T5251	X = 892396 Y = 1393304 Z = 518234	15 17 12	LAT. = 17 23 27.8 LONG. = 57 21 39.2 RAD. = 1733849.2	1.4 1.9 16.5
A4345	X = 898572 Y = 1398434 Z = 492938	14 16 11	LAT. = 16 31 3.8 LONG. = 57 16 37.2 RAD. = 1733792.9	1.3 1.8 15.1
T5246	X = 859663 Y = 1376600 Z = 609934	18 20 14	LAT. = 20 35 48.7 LONG. = 58 0 57.3 RAD. = 1733801.5	2.1 2.1 19.8

TERRAIN POINTS ON MAP SHEET 44D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34489	X = 837452	21	LAT. = 17 53 38.1	2.2
	Y = 1421614	22	LONG. = 59 29 53.8	2.2
	Z = 532723	15	RAD. = 1733813.0	22.6
34490	X = 842810	15	LAT. = 17 8 19.2	1.4
	Y = 1426394	17	LONG. = 59 25 21.1	1.9
	Z = 510918	11	RAD. = 1733772.3	16.6

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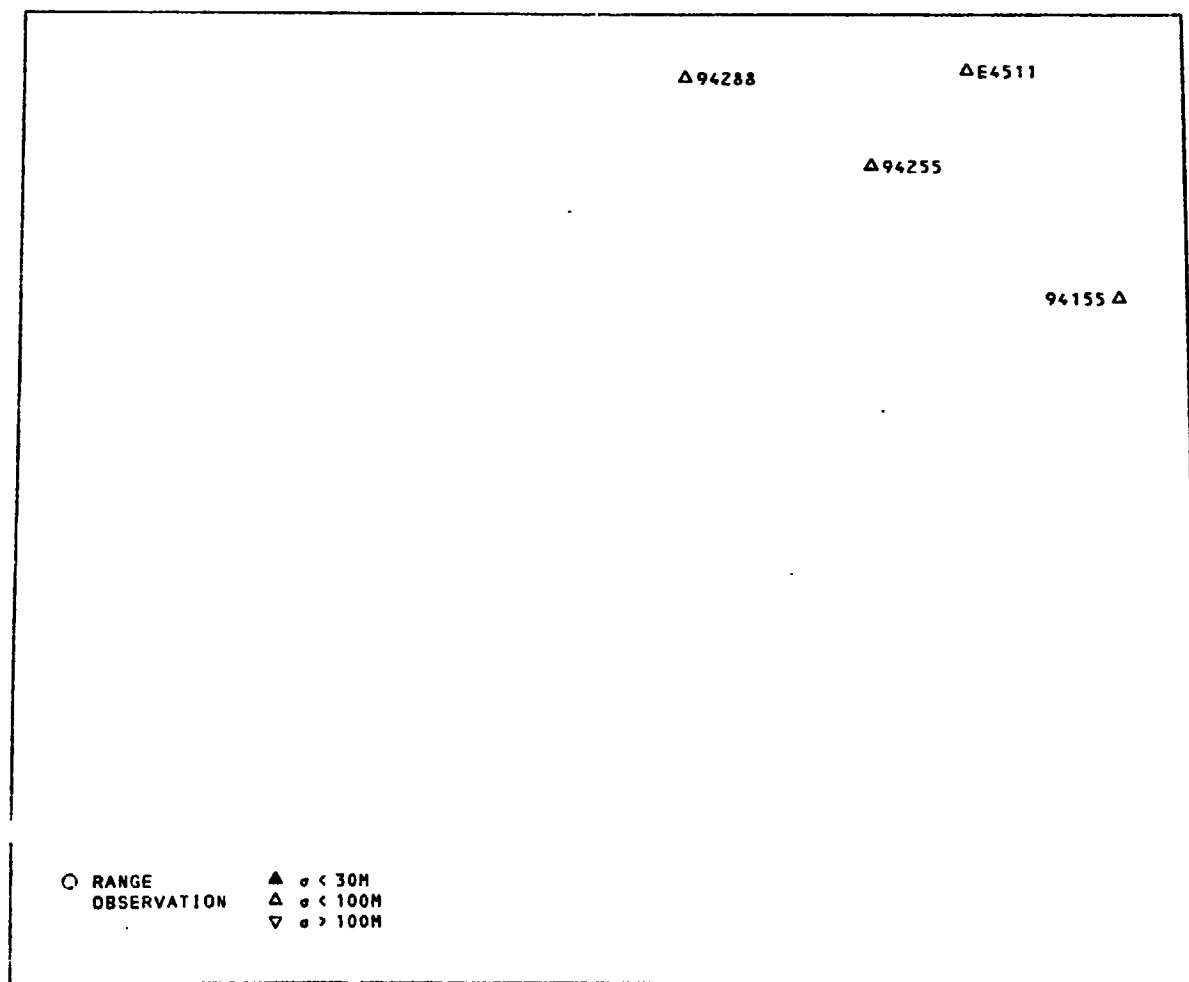


MAP SHEET 45D

TERRAIN POINTS ON MAP SHEET 45D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4689	X = 511908	16	LAT. = 17 53 10.6	2.0
	Y = 1570620	22	LONG. = 71 56 52.0	1.8
	Z = 533124	14	RAD. = 1735833.5	20.4
T4645	X = 432902	15	LAT. = 17 5 11.3	2.0
	Y = 1602997	21	LONG. = 74 53 14.4	1.8
	Z = 510384	14	RAD. = 1737094.4	20.0
T449K	X = 358676	15	LAT. = 16 29 24.6	2.0
	Y = 1624989	22	LONG. = 77 33 10.7	1.8
	Z = 492619	14	RAD. = 1735486.2	21.0

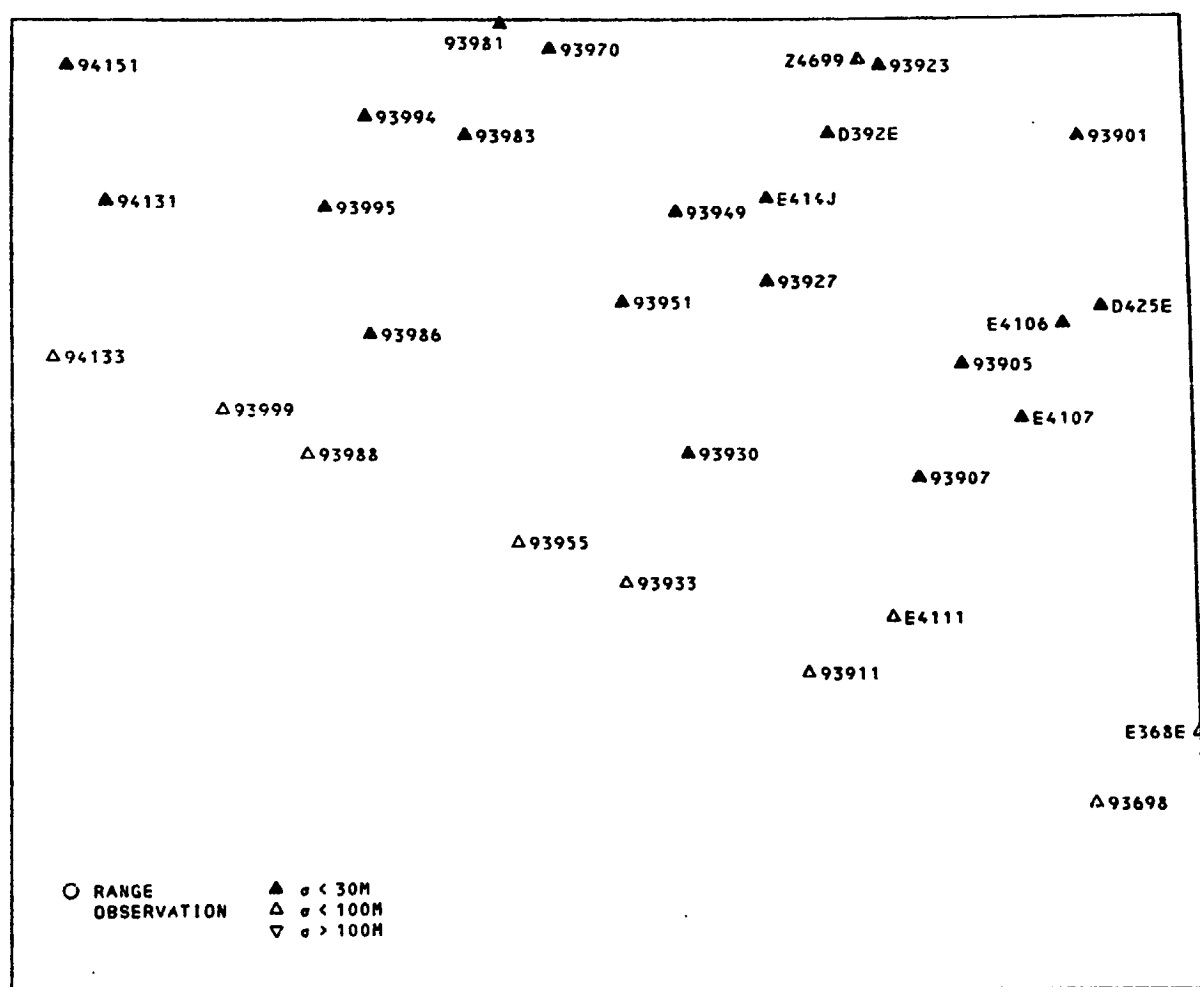
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MAP SHEET 59B

TERRAIN POINTS ON MAP SHEET 59B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94288	X = 1664889	34	LAT. = 15 28 28.6	3.0
	Y = 166628	30	LONG. = 5 42 55.2	3.6
	Z = 463223	33	RAD. = 1736143.6	40.2
94255	X = 1665563	25	LAT. = 14 44 56.1	2.2
	Y = 213691	25	LONG. = 7 18 39.9	3.1
	Z = 442066	22	RAD. = 1736429.0	27.3
E4511	X = 1655929	25	LAT. = 15 32 10.4	2.1
	Y = 237013	25	LONG. = 8 8 43.5	3.1
	Z = 465049	21	RAD. = 1736245.0	26.9
94155	X = 1664623	24	LAT. = 13 39 44.1	2.2
	Y = 276156	25	LONG. = 9 25 9.9	3.1
	Z = 410159	22	RAD. = 1736508.3	26.4



MAP SHEET 60A

TERRAIN POINTS ON MAP SHEET 60A

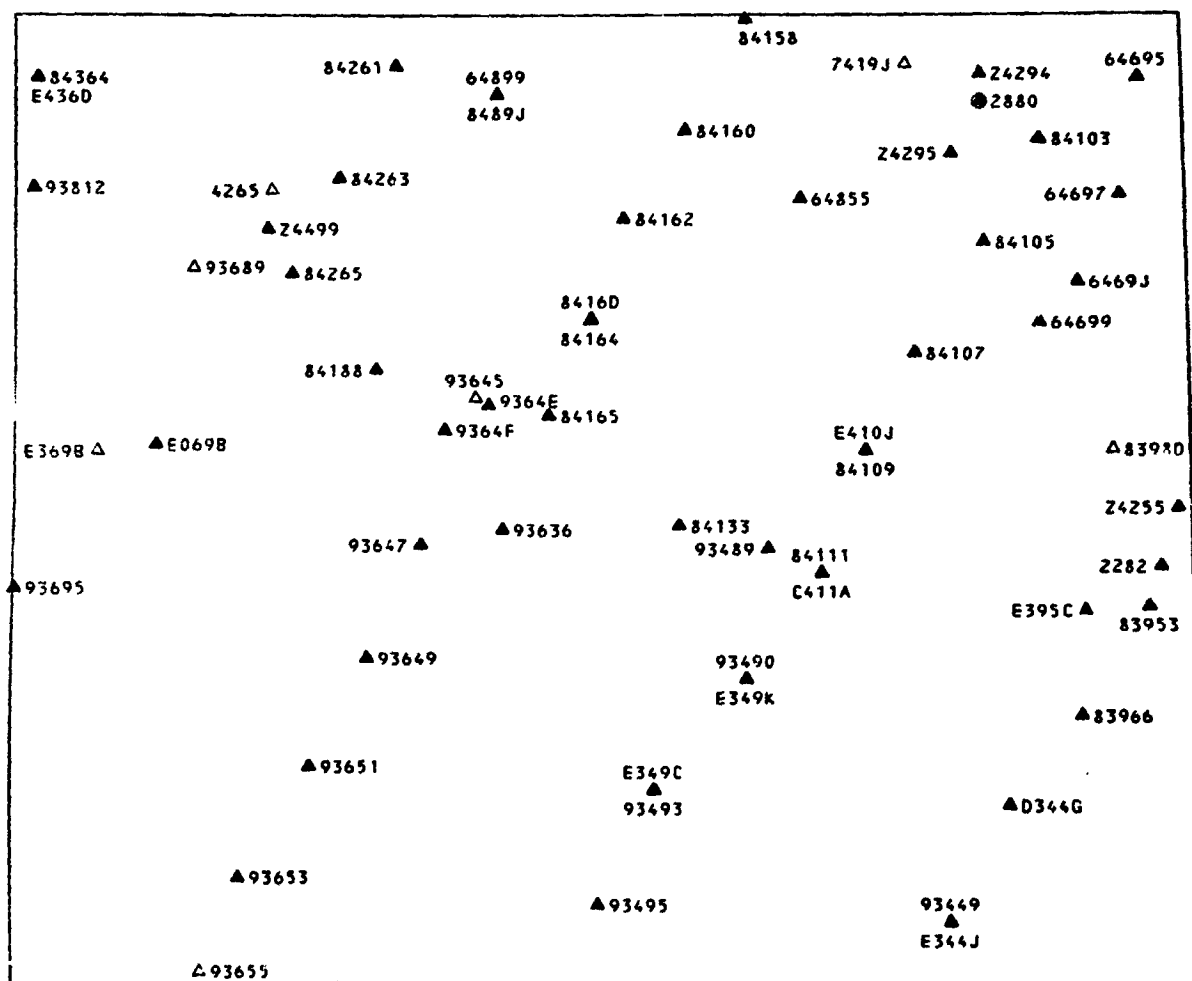
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
94151	X = 1644315	24	LAT. = 15 37 47.8	1.6
	Y = 303747	22	LONG. = 10 27 57.6	2.9
	Z = 467811	16	RAD. = 1736341.0	24.5
94131	X = 1651384	24	LAT. = 14 31 7.8	1.9
	Y = 315118	25	LONG. = 10 48 12.0	3.0
	Z = 435372	18	RAD. = 1736640.1	25.2
94133	X = 1662349	33	LAT. = 13 15 2.4	3.2
	Y = 303721	31	LONG. = 10 21 14.7	3.6
	Z = 397932	33	RAD. = 1736087.4	39.7
93999	X = 1657632	24	LAT. = 12 48 20.5	2.2
	Y = 345995	25	LONG. = 11 47 24.0	3.0
	Z = 384898	21	RAD. = 1736548.7	26.4
93995	X = 1640350	24	LAT. = 14 27 34.2	1.6
	Y = 368484	22	LONG. = 12 39 38.2	2.8
	Z = 433527	16	RAD. = 1736224.1	24.4
93988	X = 1655592	32	LAT. = 12 25 54.2	3.0
	Y = 367240	33	LONG. = 12 30 24.2	3.6
	Z = 373838	31	RAD. = 1736549.4	39.5
93994	X = 1632705	26	LAT. = 15 12 11.3	1.7
	Y = 377003	23	LONG. = 13 0 7.6	2.9
	Z = 455367	15	RAD. = 1736438.2	26.2
93983	X = 1628050	25	LAT. = 15 2 48.4	1.5
	Y = 401465	22	LONG. = 13 51 8.4	2.8
	Z = 450770	14	RAD. = 1736350.8	24.7
93986	X = 1645636	25	LAT. = 13 24 54.2	2.0
	Y = 381279	23	LONG. = 13 2 41.0	2.8
	Z = 402900	20	RAD. = 1736611.1	27.2
93981	X = 1618231	25	LAT. = 15 57 40.0	1.6
	Y = 408219	22	LONG. = 14 9 29.5	2.8
	Z = 477331	14	RAD. = 1735845.4	24.7
93970	X = 1617051	21	LAT. = 15 45 20.1	1.5
	Y = 420799	21	LONG. = 14 35 10.8	2.8
	Z = 471420	14	RAD. = 1736134.5	21.4
93955	X = 1648567	24	LAT. = 11 41 24.0	2.2
	Y = 419771	24	LONG. = 14 17 8.0	3.0
	Z = 351986	21	RAD. = 1737203.0	26.2

TERRAIN POINTS ON MAP SHEET 60A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93949	X = 1619686 Y = 453957 Z = 432139	25 21 14	LAT. = 14 24 28.7 LONG. = 15 39 24.7 RAD. = 1736722.2	1.5 2.8 24.3
93951	X = 1628805 Y = 442274 Z = 410392	24 22 15	LAT. = 13 39 59.4 LONG. = 15 11 29.1 RAD. = 1736960.7	1.6 2.8 24.3
93930	X = 1632753 Y = 460199 Z = 373336	23 22 17	LAT. = 12 24 42.4 LONG. = 15 44 26.7 RAD. = 1736964.5	1.7 2.8 24.3
93933	X = 1643872 Y = 446642 Z = 341838	33 31 31	LAT. = 11 20 49.0 LONG. = 15 12 1.4 RAD. = 1737428.7	3.0 3.4 39.3
D392E	X = 1603125 Y = 489614 Z = 450703	23 23 19	LAT. = 15 2 59.0 LONG. = 16 58 60.0 RAD. = 1735760.2	1.9 2.9 25.2
E414J	X = 1612719 Y = 475853 Z = 435399	26 22 15	LAT. = 14 31 2.5 LONG. = 16 26 21.7 RAD. = 1736914.7	1.7 2.9 26.0
93927	X = 1617610 Y = 477148 Z = 415175	24 22 14	LAT. = 13 49 47.0 LONG. = 16 26 4.2 RAD. = 1736866.1	1.5 2.7 24.1
93911	X = 1634819 Y = 491681 Z = 319396	25 24 21	LAT. = 10 35 49.5 LONG. = 16 44 20.2 RAD. = 1736777.9	2.2 2.9 26.5
Z4699	X = 1596357 Y = 495745 Z = 468628	21 21 18	LAT. = 15 39 39.6 LONG. = 17 15 7.4 RAD. = 1736009.7	1.9 2.8 22.3
93923	X = 1595248 Y = 500914 Z = 467226	20 20 13	LAT. = 15 36 43.8 LONG. = 17 25 56.9 RAD. = 1736096.5	1.3 2.6 19.1
93907	X = 1616598 Y = 515787 Z = 367002	26 23 17	LAT. = 12 12 14.2 LONG. = 17 41 44.3 RAD. = 1736121.2	1.8 2.8 26.6
E4111	X = 1625588 Y = 511196 Z = 333007	25 25 22	LAT. = 11 3 26.3 LONG. = 17 27 24.1 RAD. = 1736303.3	2.2 2.9 27.4

TERRAIN POINTS ON MAP SHEET 60A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E4106	X = 1596467 Y = 547467 Z = 404293	28 22 15	LAT. = 13 28 16.6 LONG. = 18 55 41.0 RAD. = 1735477.0	1.7 2.8 27.3
93905	X = 1606988 Y = 524442 Z = 394648	27 22 15	LAT. = 13 8 28.1 LONG. = 18 4 26.9 RAD. = 1735856.3	1.7 2.9 26.6
E4107	X = 1605182 Y = 539326 Z = 381484	27 23 17	LAT. = 12 41 44.7 LONG. = 18 34 18.7 RAD. = 1735802.9	1.7 2.8 27.3
93901	X = 1585071 Y = 548847 Z = 449920	20 20 12	LAT. = 15 0 52.9 LONG. = 19 5 56.2 RAD. = 1736695.0	1.3 2.6 19.1
D425E	X = 1592415 Y = 556310 Z = 408421	23 23 21	LAT. = 13 36 39.6 LONG. = 19 15 24.7 RAD. = 1735533.1	2.1 2.9 25.1
E368E	X = 1606048 Y = 584196 Z = 304740	25 24 21	LAT. = 10 6 37.6 LONG. = 19 59 19.4 RAD. = 1735955.3	2.2 2.9 26.8
93698	X = 1617638 Y = 560674 Z = 287330	31 38 26	LAT. = 9 31 37.5 LONG. = 19 6 58.8 RAD. = 1735991.6	2.6 3.9 39.7



○ RANGE
OBSERVATION

▲ ● < 30M
△ ● < 100M
▽ ● > 100M

MAP SHEET 60B

TERRAIN POINTS ON MAP SHEET 60B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84364	X = 1570988 Y = 577680 Z = 463901	20 19 13	LAT. = 15 29 26.4 LONG. = 20 11 21.7 RAD. = 1736928.9	1.3 2.6 19.1
E436D	X = 1570982 Y = 577663 Z = 463834	30 21 16	LAT. = 15 29 19.1 LONG. = 20 11 20.0 RAD. = 1736899.5	2.2 3.0 26.9
93812	X = 1577447 Y = 578930 Z = 437379	20 20 13	LAT. = 14 35 23.9 LONG. = 20 9 12.1 RAD. = 1736317.5	1.4 2.6 19.2
E369B	X = 1585627 Y = 599287 Z = 373267	37 36 16	LAT. = 12 25 6.7 LONG. = 20 42 14.6 RAD. = 1735709.2	2.1 3.5 42.4
93695	X = 1599467 Y = 582599 Z = 339828	26 23 16	LAT. = 11 17 22.8 LONG. = 20 0 50.2 RAD. = 1735857.5	1.7 2.8 26.5
93689	X = 1567268 Y = 617765 Z = 417796	30 22 16	LAT. = 13 55 43.1 LONG. = 21 30 45.7 RAD. = 1735659.8	2.2 3.0 26.3
E069B	X = 1580005 Y = 612652 Z = 374703	27 23 17	LAT. = 12 28 5.5 LONG. = 21 11 38.3 RAD. = 1735557.3	1.9 3.0 26.6
93653	X = 1590675 Y = 639418 Z = 268044	23 22 17	LAT. = 8 53 10.6 LONG. = 21 53 56.7 RAD. = 1735209.3	1.9 2.7 23.4
93655	X = 1597748 Y = 631438 Z = 244746	24 24 20	LAT. = 8 6 28.1 LONG. = 21 33 51.1 RAD. = 1735342.3	2.2 2.9 25.4
84263	X = 1548465 Y = 649621 Z = 439115	20 20 12	LAT. = 14 39 17.0 LONG. = 22 45 33.5 RAD. = 1735676.7	1.4 2.6 19.2
4265	X = 1555710 Y = 634277 Z = 436451	49 22 18	LAT. = 14 33 45.8 LONG. = 22 10 52.2 RAD. = 1735807.8	2.9 3.9 41.2
24499	X = 1558224 Y = 634286 Z = 427010	21 21 18	LAT. = 14 14 30.3 LONG. = 22 8 56.9 RAD. = 1735718.1	1.9 2.7 22.1

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84265	X = 1558228 Y = 640789 Z = 416186	22 21 14	LAT. = 13 52 31.2 LONG. = 22 21 14.0 RAD. = 1735481.5	1.6 2.7 20.8
93649	X = 1570052 Y = 665907 Z = 321884	22 20 13	LAT. = 10 41 17.9 LONG. = 22 58 59.8 RAD. = 1735541.2	1.5 2.6 21.7
93651	X = 1579920 Y = 654186 Z = 295265	22 21 14	LAT. = 9 47 47.9 LONG. = 22 29 33.5 RAD. = 1735306.2	1.5 2.6 21.8
84261	X = 1535005 Y = 659496 Z = 465739	21 20 13	LAT. = 15 34 37.1 LONG. = 23 15 .6 RAD. = 1734384.3	1.4 2.6 20.7
84188	X = 1555221 Y = 662519 Z = 392584	21 20 14	LAT. = 13 4 27.7 LONG. = 23 4 25.9 RAD. = 1735444.0	1.5 2.6 20.8
93645	X = 1546598 Y = 686218 Z = 385500	28 21 17	LAT. = 12 50 6.1 LONG. = 23 55 35.8 RAD. = 1735358.7	2.2 2.9 25.1
9364F	X = 1551463 Y = 679824 Z = 377628	28 21 16	LAT. = 12 34 4.4 LONG. = 23 39 43.9 RAD. = 1735454.0	2.1 2.8 25.1
93647	X = 1559512 Y = 676519 Z = 349663	23 20 13	LAT. = 11 37 23.5 LONG. = 23 27 4.6 RAD. = 1735517.2	1.6 2.7 21.7
64899	X = 1526492 Y = 683543 Z = 458877	22 22 17	LAT. = 15 20 31.5 LONG. = 24 7 19.9 RAD. = 1734352.2	1.6 2.7 24.4
8489J	X = 1526563 Y = 683653 Z = 458877	35 29 17	LAT. = 15 20 28.0 LONG. = 24 7 28.8 RAD. = 1734457.9	1.8 2.9 39.2
8416D	X = 1530349 Y = 711167 Z = 404613	21 21 18	LAT. = 13 28 59.3 LONG. = 24 55 29.0 RAD. = 1735349.6	1.9 2.6 21.8
84164	X = 1530426 Y = 711057 Z = 404370	20 19 12	LAT. = 13 28 30.6 LONG. = 24 55 12.8 RAD. = 1735315.4	1.3 2.5 18.4

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
9364E	X = 1545685 Y = 689354 Z = 383673	28 21 17	LAT. = 12 46 22.6 LONG. = 24 2 10.3 RAD. = 1735383.9	2.2 2.9 25.1
84165	X = 1539964 Y = 703585 Z = 381145	20 19 12	LAT. = 12 41 12.8 LONG. = 24 33 17.7 RAD. = 1735452.1	1.4 2.5 18.7
93636	X = 1550436 Y = 695136 Z = 353309	20 20 13	LAT. = 11 44 47.0 LONG. = 24 8 56.4 RAD. = 1735480.9	1.4 2.6 19.3
93495	X = 1555556 Y = 723162 Z = 260998	25 22 16	LAT. = 8 39 3.7 LONG. = 24 55 59.7 RAD. = 1735176.4	1.7 2.7 25.2
84160	X = 1509381 Y = 727946 Z = 450327	22 19 12	LAT. = 15 2 30.5 LONG. = 25 44 49.7 RAD. = 1735203.1	1.5 2.6 20.6
84162	X = 1521201 Y = 716253 Z = 428989	19 19 12	LAT. = 14 18 47.0 LONG. = 25 12 47.7 RAD. = 1735253.3	1.3 2.5 18.4
84133	X = 1531637 Y = 735831 Z = 354309	20 19 13	LAT. = 11 46 41.2 LONG. = 25 39 38.2 RAD. = 1735769.2	1.4 2.5 19.5
E349C	X = 1545506 Y = 734587 Z = 289311	26 23 15	LAT. = 9 35 46.3 LONG. = 25 25 19.2 RAD. = 1735485.5	1.7 2.7 26.6
93493	X = 1545496 Y = 734559 Z = 289261	26 22 15	LAT. = 9 35 40.9 LONG. = 25 25 16.6 RAD. = 1735456.3	1.7 2.7 25.1
84158	X = 1495943 Y = 738557 Z = 477202	20 19 12	LAT. = 15 57 44.8 LONG. = 26 16 33.0 RAD. = 1735233.1	1.7 2.5 18.3
64855	X = 1500676 Y = 755659 Z = 433789	19 19 12	LAT. = 14 28 35.0 LONG. = 26 43 38.5 RAD. = 1735287.4	1.3 2.5 18.6
93489	X = 1522971 Y = 756407 Z = 348601	28 21 17	LAT. = 11 35 7.0 LONG. = 26 24 13.2 RAD. = 1735132.0	2.2 2.8 24.9

TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84111	X = 1518153 Y = 768976 Z = 342719	20 19 13	LAT. = 11 23 10.6 LONG. = 26 51 47.4 RAD. = 1735963.1	1.4 2.5 18.8
C411A	X = 1518163 Y = 768948 Z = 342692	21 20 13	LAT. = 11 23 7.6 LONG. = 26 51 43.8 RAD. = 1735954.2	1.5 2.6 19.6
93490	X = 1531295 Y = 753920 Z = 316643	20 20 13	LAT. = 10 30 35.2 LONG. = 26 12 46.5 RAD. = 1735950.1	1.5 2.6 19.7
E349K	X = 1531297 Y = 753926 Z = 316609	38 31 17	LAT. = 10 30 31.1 LONG. = 26 12 47.1 RAD. = 1735948.0	2.3 2.9 41.0
7419J	X = 1480676 Y = 775594 Z = 466431	30 24 35	LAT. = 15 35 29.8 LONG. = 27 38 45.7 RAD. = 1735369.1	3.4 2.8 37.3
84107	X = 1496599 Y = 785159 Z = 396517	19 18 12	LAT. = 13 12 13.7 LONG. = 27 40 58.1 RAD. = 1735945.9	1.3 2.4 17.8
E410J	X = 1507152 Y = 776396 Z = 372684	30 21 17	LAT. = 12 23 52.1 LONG. = 27 15 17.5 RAD. = 1735854.1	2.3 2.9 26.3
84109	X = 1507230 Y = 776375 Z = 372624	21 20 13	LAT. = 12 23 43.6 LONG. = 27 15 10.9 RAD. = 1735900.6	1.4 2.5 20.4
93449	X = 1517489 Y = 803573 Z = 256935	25 21 14	LAT. = 8 30 36.4 LONG. = 27 54 11.0 RAD. = 1736236.6	1.7 2.7 24.3
E344J	X = 1517514 Y = 803539 Z = 256925	25 22 15	LAT. = 8 30 35.1 LONG. = 27 54 6.0 RAD. = 1736241.1	1.7 2.7 25.8
Z4294	X = 1472485 Y = 792544 Z = 464128	22 20 13	LAT. = 15 30 43.4 LONG. = 28 17 26.6 RAD. = 1735440.2	1.5 2.6 21.1
2880	X = 1474261 Y = 793437 Z = 457416	19 18 13	LAT. = 15 16 51.6 LONG. = 28 17 19.8 RAD. = 1735574.0	1.4 2.6 16.9

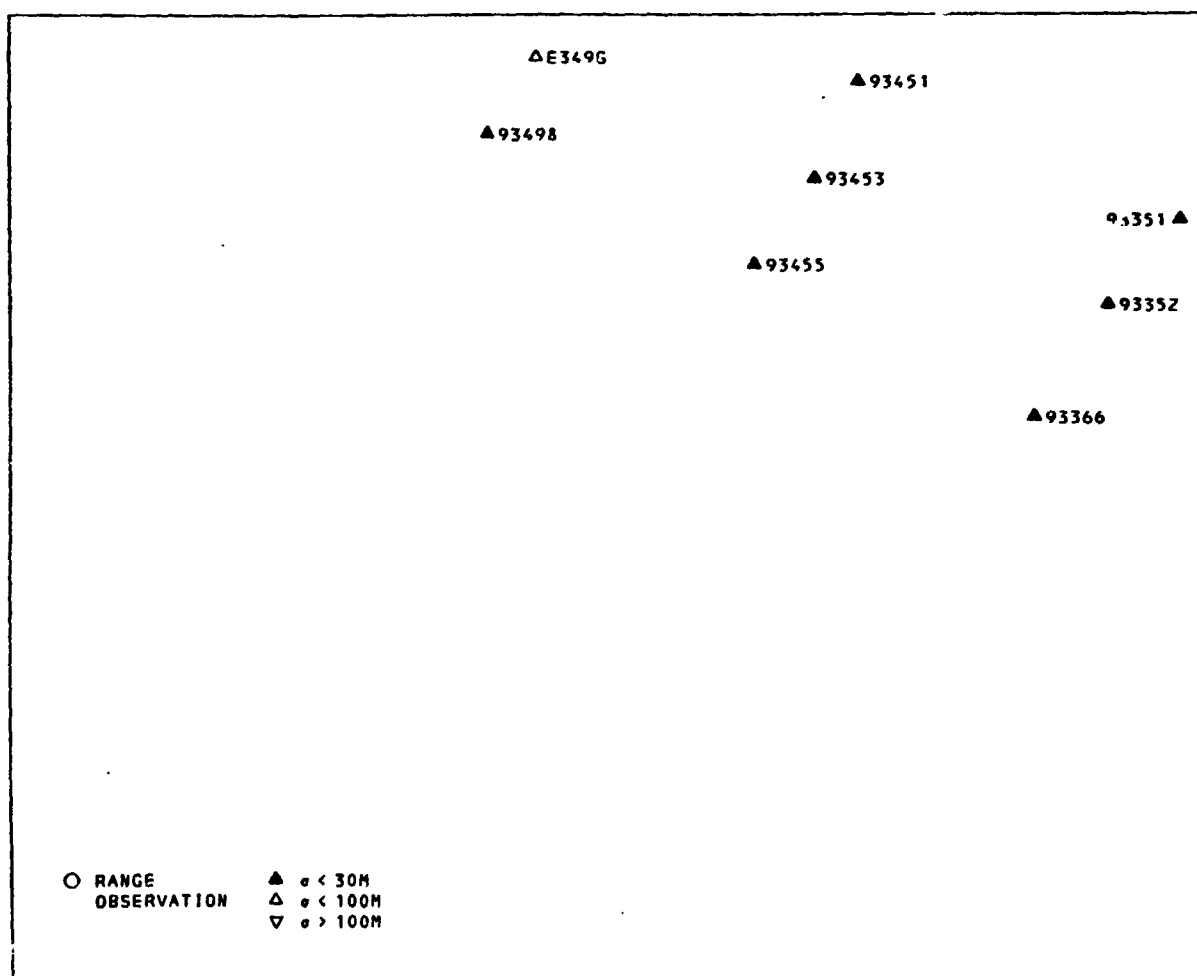
TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
84103	X = 1469677 Y = 807517 Z = 448401	32 19 14	LAT. = 14 58 13.7 LONG. = 28 47 12.0 RAD. = 1735827.7	1.8 3.0 27.7
24295	X = 1480629 Y = 788337 Z = 444827	21 20 14	LAT. = 14 51 7.8 LONG. = 28 1 56.5 RAD. = 1735398.8	1.5 2.6 21.1
84105	X = 1482296 Y = 798077 Z = 423486	22 19 12	LAT. = 14 7 11.8 LONG. = 28 17 53.8 RAD. = 1735934.8	1.5 2.5 20.2
64699	X = 1480578 Y = 812399 Z = 404185	21 23 21	LAT. = 13 27 34.0 LONG. = 28 45 13.5 RAD. = 1736511.0	2.1 2.7 23.7
D344G	X = 1506028 Y = 814999 Z = 285697	22 23 19	LAT. = 9 28 19.0 LONG. = 28 25 13.4 RAD. = 1736077.4	2.0 2.7 24.6
64695	X = 1454161 Y = 827012 Z = 463158	23 22 15	LAT. = 15 28 31.5 LONG. = 29 37 40.1 RAD. = 1735814.1	1.6 2.7 23.7
64697	X = 1463331 Y = 826310 Z = 435064	20 21 15	LAT. = 14 30 52.2 LONG. = 29 27 8.8 RAD. = 1735916.0	1.6 2.6 21.0
6469J	X = 1473697 Y = 819657 Z = 413998	23 19 15	LAT. = 13 47 37.1 LONG. = 29 4 56.7 RAD. = 1736379.5	1.6 2.6 22.2
8398D	X = 1478498 Y = 831337 Z = 373333	25 22 27	LAT. = 12 24 46.5 LONG. = 29 20 54.1 RAD. = 1736794.5	2.6 2.6 30.1
24255	X = 1472887 Y = 846515 Z = 359053	20 20 17	LAT. = 11 56 2.7 LONG. = 29 53 14.4 RAD. = 1736347.2	1.8 2.5 20.8
2282	X = 1477788 Y = 844038 Z = 344662	24 21 14	LAT. = 11 26 55.9 LONG. = 29 43 58.2 RAD. = 1736389.4	1.6 2.6 24.2
83953	X = 1481040 Y = 842250 Z = 334717	19 18 12	LAT. = 11 6 52.3 LONG. = 29 37 34.9 RAD. = 1736346.5	1.3 2.4 18.0

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TERRAIN POINTS ON MAP SHEET 60B (CONTINUED)

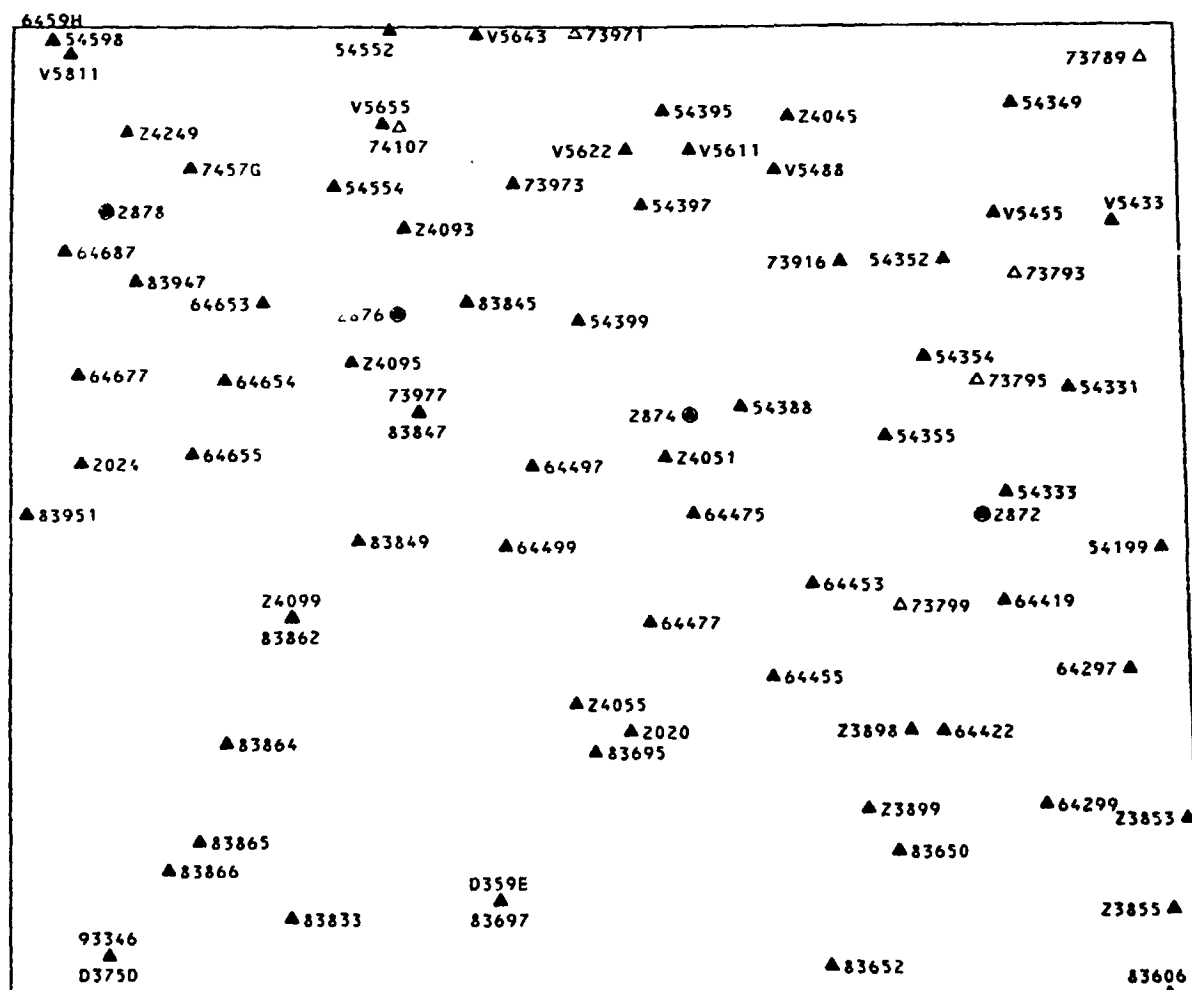
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E395C	X = 1488842	29	LAT. = 11 4 50.9	2.2
	Y = 828372	21	LONG. = 29 5 27.6	2.8
	Z = 333675	17	RAD. = 1736142.0	25.7
83966	X = 1493902	19	LAT. = 10 12 45.7	1.3
	Y = 829315	18	LONG. = 29 2 10.0	2.4
	Z = 307827	12	RAD. = 1736163.3	17.3



MAP SHEET 60C

TERRAIN POINTS ON MAP SHEET 60C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E349G	X = 1565652 Y = 711479 Z = 230995	24 25 21	LAT. = 7 39 .7 LONG. = 24 26 10.5 RAD. = 1735173.7	2.3 2.9 27.0
93498	X = 1573011 Y = 701159 Z = 211939	24 24 20	LAT. = 7 0 56.5 LONG. = 24 1 28.5 RAD. = 1735195.5	2.1 2.8 25.4
93453	X = 1539085 Y = 776233 Z = 200709	21 21 15	LAT. = 6 38 29.3 LONG. = 26 45 50.2 RAD. = 1735397.8	1.6 2.6 21.3
93455	X = 1548033 Y = 763468 Z = 179348	23 24 19	LAT. = 5 55 55.5 LONG. = 26 15 6.7 RAD. = 1735354.7	2.1 2.8 24.9
93451	X = 1531610 Y = 785166 Z = 224921	22 22 14	LAT. = 7 26 43.1 LONG. = 27 8 29.5 RAD. = 1735771.9	1.5 2.6 23.0
93366	X = 1519158 Y = 827493 Z = 141531	23 24 18	LAT. = 4 40 37.9 LONG. = 28 34 38.4 RAD. = 1735688.6	2.0 2.8 24.5
93351	X = 1497204 Y = 858061 Z = 190727	24 22 15	LAT. = 6 18 25.1 LONG. = 29 49 2.7 RAD. = 1736163.9	1.7 2.6 24.0
93352	X = 1508017 Y = 843052 Z = 169593	21 20 14	LAT. = 5 36 22.8 LONG. = 29 12 26.1 RAD. = 1735976.1	1.6 2.5 20.8



MAP SHEET 61A

TERRAIN POINTS ON MAP SHEET 61A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6459H	X = 1440973 Y = 843301 Z = 475131	20 19 13	LAT. = 15 53 6.7 LONG. = 30 20 14.9 RAD. = 1735888.8	1.4 2.5 19.8
54598	X = 1440974 Y = 843272 Z = 475116	20 20 13	LAT. = 15 53 5.4 LONG. = 30 20 11.6 RAD. = 1735871.3	1.6 2.6 19.4
V5811	X = 1439574 Y = 847682 Z = 471885	19 18 13	LAT. = 15 46 22.9 LONG. = 30 29 28.9 RAD. = 1735976.6	1.4 2.4 17.8
Z4249	X = 1436771 Y = 862889 Z = 453143	21 19 13	LAT. = 15 7 46.7 LONG. = 30 59 16.7 RAD. = 1736152.5	1.5 2.5 20.5
2878	X = 1444021 Y = 861231 Z = 434317	19 18 13	LAT. = 14 29 1.5 LONG. = 30 48 44.2 RAD. = 1736536.7	1.4 2.5 16.7
64687	X = 1451253 Y = 853348 Z = 424607	18 18 11	LAT. = 14 9 19.1 LONG. = 30 27 21.0 RAD. = 1736268.4	1.2 2.4 17.0
64677	X = 1455846 Y = 860080 Z = 394728	20 18 12	LAT. = 13 8 23.2 LONG. = 30 34 25.0 RAD. = 1736385.4	1.4 2.4 18.5
2024	X = 1459493 Y = 863176 Z = 373135	24 21 14	LAT. = 12 24 37.6 LONG. = 30 36 3.6 RAD. = 1736209.5	1.6 2.6 23.9
83951	X = 1468795 Y = 852688 Z = 360823	21 19 12	LAT. = 11 59 9.7 LONG. = 30 8 2.1 RAD. = 1736268.2	1.4 2.5 19.9
93346	X = 1475260 Y = 880578 Z = 251831	22 19 12	LAT. = 8 20 19.8 LONG. = 30 49 58.2 RAD. = 1736441.1	1.5 2.5 20.5
D375D	X = 1475232 Y = 880544 Z = 251764	22 23 19	LAT. = 8 20 12.7 LONG. = 30 49 56.4 RAD. = 1736390.7	2.1 2.7 24.4
7457G	X = 1430648 Y = 877671 Z = 444417	20 20 13	LAT. = 14 49 50.5 LONG. = 31 31 41.5 RAD. = 1736251.1	1.5 2.5 19.7

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83947	X = 1443460 Y = 869625 Z = 417192	22 18 13	LAT. = 13 54 17.6 LONG. = 31 4 2.0 RAD. = 1736051.1	1.6 2.5 19.9
64654	X = 1436582 Y = 891980 Z = 393080	19 18 12	LAT. = 13 5 11.1 LONG. = 31 50 10.8 RAD. = 1736060.9	1.3 2.4 17.9
64655	X = 1444521 Y = 887033 Z = 375249	19 18 12	LAT. = 12 28 55.9 LONG. = 31 33 9.8 RAD. = 1736167.8	1.3 2.4 17.9
83864	X = 1452397 Y = 901840 Z = 304236	19 18 12	LAT. = 10 5 25.8 LONG. = 31 50 14.9 RAD. = 1736471.4	1.4 2.4 17.5
83865	X = 1459747 Y = 898100 Z = 279952	21 23 19	LAT. = 9 16 36.8 LONG. = 31 36 5.9 RAD. = 1736611.4	2.0 2.7 23.7
83866	X = 1464813 Y = 891991 Z = 272899	20 18 12	LAT. = 9 2 28.4 LONG. = 31 20 20.9 RAD. = 1736605.5	1.4 2.4 18.1
54554	X = 1412175 Y = 908908 Z = 439899	18 17 11	LAT. = 14 40 41.8 LONG. = 32 45 58.5 RAD. = 1736048.5	1.2 2.3 16.7
64653	X = 1427673 Y = 897594 Z = 411828	19 18 12	LAT. = 13 43 24.2 LONG. = 32 9 28.9 RAD. = 1735951.6	1.3 2.4 18.1
24095	X = 1418663 Y = 918296 Z = 397393	20 19 13	LAT. = 13 13 58.3 LONG. = 32 54 53.5 RAD. = 1736027.8	1.4 2.4 20.4
83849	X = 1426135 Y = 924920 Z = 353843	19 18 12	LAT. = 11 45 32.9 LONG. = 32 57 55.5 RAD. = 1736243.8	1.3 2.4 17.4
24099	X = 1438468 Y = 912849 Z = 335113	20 20 17	LAT. = 11 7 41.1 LONG. = 32 23 56.9 RAD. = 1736313.4	1.8 2.5 20.6
83862	X = 1438663 Y = 912641 Z = 334952	20 19 12	LAT. = 11 7 21.0 LONG. = 32 23 23.0 RAD. = 1736334.4	1.4 2.4 19.6

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83833	X = 1449942 Y = 919500 Z = 260842	19 18 12	LAT. = 8 38 18.9 LONG. = 32 22 53.0 RAD. = 1736620.2	1.4 2.4 17.9
54552	X = 1397075 Y = 915852 Z = 478073	18 18 12	LAT. = 15 58 13.0 LONG. = 33 14 48.5 RAD. = 1737572.4	1.3 2.4 17.3
V5643	X = 1385220 Y = 934292 Z = 476904	18 18 12	LAT. = 15 55 48.5 LONG. = 33 59 54.8 RAD. = 1737577.3	1.3 2.4 16.8
V5655	X = 1402520 Y = 917239 Z = 455162	20 19 18	LAT. = 15 11 42.9 LONG. = 33 11 3.9 RAD. = 1736537.4	1.9 2.5 20.7
74107	X = 1400192 Y = 920818 Z = 454303	34 22 22	LAT. = 15 10 3.9 LONG. = 33 19 49.5 RAD. = 1736328.3	2.0 2.8 36.2
24093	X = 1404795 Y = 925107 Z = 429817	21 19 12	LAT. = 14 20 3.1 LONG. = 33 21 58.7 RAD. = 1736092.2	1.5 2.4 20.2
83845	X = 1399726 Y = 940754 Z = 411943	21 18 12	LAT. = 13 43 34.8 LONG. = 33 54 18.0 RAD. = 1736072.9	1.5 2.4 19.2
2876	X = 1409907 Y = 926576 Z = 409164	18 18 12	LAT. = 13 37 56.2 LONG. = 33 18 45.0 RAD. = 1736028.7	1.4 2.4 16.2
73977	X = 1411772 Y = 934130 Z = 385203	20 27 21	LAT. = 12 49 9.4 LONG. = 33 29 29.4 RAD. = 1736111.1	2.1 2.9 26.2
83847	X = 1411847 Y = 934042 Z = 385107	20 18 12	LAT. = 12 48 57.9 LONG. = 33 29 15.4 RAD. = 1736103.1	1.4 2.4 17.9
73971	X = 1370679 Y = 954452 Z = 477062	46 75 21	LAT. = 15 56 26.0 LONG. = 34 51 3.1 RAD. = 1737045.5	4.4 5.2 71.0
73973	X = 1387226 Y = 946734 Z = 440648	22 25 15	LAT. = 14 42 4.7 LONG. = 34 18 43.8 RAD. = 1736338.7	1.6 2.7 26.2

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54399	X = 1384835 Y = 964733 Z = 407411	18 17 11	LAT. = 13 34 16.4 LONG. = 34 51 45.5 RAD. = 1736220.7	1.2 2.3 16.4
64497	X = 1398352 Y = 959735 Z = 371988	18 17 11	LAT. = 12 22 14.9 LONG. = 34 27 47.2 RAD. = 1736334.0	1.2 2.3 16.3
64499	X = 1405978 Y = 956327 Z = 352369	18 17 11	LAT. = 11 42 27.2 LONG. = 34 13 22.8 RAD. = 1736519.1	1.3 2.3 16.8
Z4055	X = 1402485 Y = 975118 Z = 313632	19 20 17	LAT. = 10 24 14.6 LONG. = 34 48 36.2 RAD. = 1736716.7	1.8 2.4 20.0
83695	X = 1401532 Y = 980162 Z = 301726	20 18 12	LAT. = 10 0 18.7 LONG. = 34 58 1.3 RAD. = 1736677.8	1.4 2.3 19.3
D359E	X = 1420260 Y = 963336 Z = 265124	23 21 14	LAT. = 8 46 55.6 LONG. = 34 8 53.9 RAD. = 1736504.4	1.6 2.5 24.1
83697	X = 1420283 Y = 963398 Z = 265108	19 18 12	LAT. = 8 46 52.6 LONG. = 34 8 58.6 RAD. = 1736555.1	1.4 2.4 17.5
54395	X = 1361661 Y = 975062 Z = 458176	18 17 11	LAT. = 15 18 1.1 LONG. = 35 36 20.8 RAD. = 1736315.6	1.2 2.3 16.5
V5622	X = 1369269 Y = 968809 Z = 448855	19 17 12	LAT. = 14 58 52.5 LONG. = 35 16 51.0 RAD. = 1736363.8	1.4 2.4 17.6
V5611	X = 1359873 Y = 981876 Z = 448763	19 19 18	LAT. = 14 58 43.3 LONG. = 35 49 50.2 RAD. = 1736295.5	1.8 2.4 20.4
54397	X = 1369981 Y = 973925 Z = 435444	18 18 11	LAT. = 14 31 24.9 LONG. = 35 24 33.1 RAD. = 1736372.4	1.3 2.3 17.2
2874	X = 1373333 Y = 990560 Z = 384435	18 17 12	LAT. = 12 47 28.4 LONG. = 35 48 8.0 RAD. = 1736387.6	1.4 2.4 15.8

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

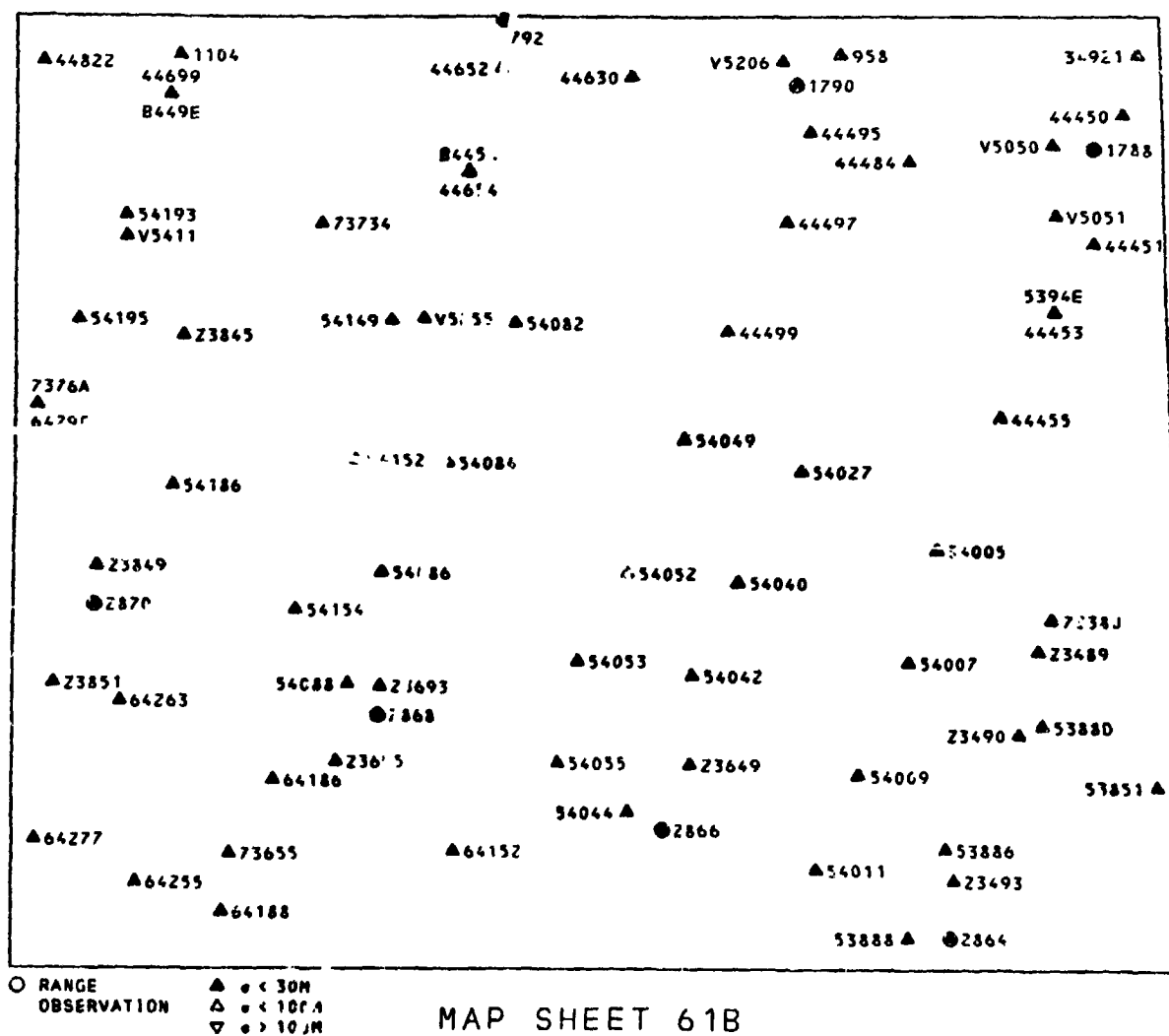
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z4051	X = 1378889 Y = 986878 Z = 374096	20 19 13	LAT. = 12 26 28.7 LONG. = 35 35 29.4 RAD. = 1736435.9	1.4 2.4 19.9
64475	X = 1377292 Y = 994361 Z = 360309	18 18 12	LAT. = 11 58 30.8 LONG. = 35 49 41.1 RAD. = 1736522.7	1.3 2.3 17.2
64477	X = 1388547 Y = 988445 Z = 333705	19 18 12	LAT. = 11 4 39.4 LONG. = 35 26 43.3 RAD. = 1736791.4	1.4 2.4 17.6
2020	X = 1395677 Y = 987141 Z = 306808	23 21 14	LAT. = 10 10 29.0 LONG. = 35 16 16.3 RAD. = 1736805.1	1.6 2.5 23.4
Z4045	X = 1343500 Y = 1000529 Z = 456777	22 18 14	LAT. = 15 15 9.8 LONG. = 36 40 32.6 RAD. = 1736287.7	1.8 2.4 20.0
V5488	X = 1348493 Y = 999612 Z = 443842	18 17 12	LAT. = 14 48 39.0 LONG. = 36 32 55.8 RAD. = 1736275.5	1.3 2.3 16.4
54388	X = 1365495 Y = 1000647 Z = 386338	18 17 11	LAT. = 12 51 19.6 LONG. = 36 14 3.5 RAD. = 1736413.1	1.3 2.3 16.8
64453	X = 1362919 Y = 1020380 Z = 343200	18 17 12	LAT. = 11 23 48.7 LONG. = 36 49 16.3 RAD. = 1736810.1	1.3 2.2 17.2
64455	X = 1372669 Y = 1014864 Z = 320434	18 17 11	LAT. = 10 37 52.1 LONG. = 36 28 36.8 RAD. = 1736907.4	1.3 2.2 16.4
83652	X = 1373912 Y = 1032561 Z = 248982	20 18 12	LAT. = 8 14 35.0 LONG. = 36 55 35.8 RAD. = 1736608.4	1.4 2.3 19.2
54352	X = 1327619 Y = 1036135 Z = 422049	17 17 11	LAT. = 14 4 8.9 LONG. = 37 58 12.4 RAD. = 1736166.4	1.2 2.2 16.2
73916	X = 1343378 Y = 1016028 Z = 421515	23 23 14	LAT. = 14 3 .3 LONG. = 37 6 3.8 RAD. = 1736275.2	1.6 2.5 26.2

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54354	X = 1335473 Y = 1035415 Z = 398496	18 17 11	LAT. = 13 16 8.3 LONG. = 37 47 13.3 RAD. = 1736194.8	1.2 2.2 16.7
54355	X = 1345241 Y = 1030303 Z = 379286	18 18 13	LAT. = 12 37 1.4 LONG. = 37 26 53.0 RAD. = 1736391.9	1.4 2.3 18.3
73799	X = 1350692 Y = 1038174 Z = 337798	22 38 26	LAT. = 11 12 56.0 LONG. = 37 32 48.2 RAD. = 1736744.2	2.5 3.4 37.2
23898	X = 1353979 Y = 1043674 Z = 307232	19 19 15	LAT. = 10 11 17.7 LONG. = 37 37 32.7 RAD. = 1736923.9	1.6 2.3 19.6
64422	X = 1348963 Y = 1050246 Z = 307081	18 17 11	LAT. = 10 10 58.8 LONG. = 37 54 10.2 RAD. = 1736956.3	1.3 2.2 16.6
23899	X = 1363305 Y = 1037076 Z = 287918	19 20 16	LAT. = 9 32 29.0 LONG. = 37 15 37.8 RAD. = 1736957.9	1.8 2.4 19.7
83650	X = 1360272 Y = 1043722 Z = 277513	20 18 12	LAT. = 9 11 38.4 LONG. = 37 29 55.1 RAD. = 1736867.5	1.4 2.3 19.2
54349	X = 1308719 Y = 1044400 Z = 459826	18 16 11	LAT. = 15 21 22.8 LONG. = 38 35 27.5 RAD. = 1736363.2	1.3 2.2 16.1
V5455	X = 1317420 Y = 1044729 Z = 433232	19 19 18	LAT. = 14 26 55.6 LONG. = 38 24 53.3 RAD. = 1736302.1	1.8 2.4 20.0
73793	X = 1317018 Y = 1050887 Z = 418626	28 34 14	LAT. = 13 57 10.8 LONG. = 38 35 14.6 RAD. = 1736130.3	2.0 2.7 37.3
73795	X = 1328288 Y = 1046839 Z = 392675	26 35 15	LAT. = 13 4 17.8 LONG. = 38 14 31.4 RAD. = 1736206.7	1.6 2.9 37.3
54333	X = 1328911 Y = 1055955 Z = 365595	18 17 11	LAT. = 12 9 18.8 LONG. = 38 28 14.5 RAD. = 1736290.6	1.2 2.2 16.9

TERRAIN POINTS ON MAP SHEET 61A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2872	X = 1333657 Y = 1051987 Z = 360091	18 17 12	LAT. = 11 58 8.2 LONG. = 38 15 58.8 RAD. = 1736370.2	1.4 2.3 15.5
64419	X = 1334090 Y = 1058747 Z = 338986	18 17 12	LAT. = 11 15 24.2 LONG. = 38 26 9.1 RAD. = 1736563.2	1.3 2.2 16.7
64299	X = 1335942 Y = 1072581 Z = 289161	18 19 16	LAT. = 9 34 48.5 LONG. = 38 45 35.1 RAD. = 1737465.6	1.7 2.3 20.0
73789	X = 1285993 Y = 1067957 Z = 470617	35 30 22	LAT. = 15 43 25.3 LONG. = 39 42 28.9 RAD. = 1736603.1	3.6 2.4 36.4
V5433	X = 1299013 Y = 1068132 Z = 431247	17 17 12	LAT. = 14 22 55.8 LONG. = 39 25 45.3 RAD. = 1736178.4	1.3 2.3 15.9
54331	X = 1314120 Y = 1065035 Z = 391048	20 18 12	LAT. = 13 1 1.6 LONG. = 39 1 23.5 RAD. = 1736125.5	1.3 2.2 20.7
54199	X = 1306599 Y = 1087750 Z = 352029	17 17 11	LAT. = 11 41 54.3 LONG. = 39 46 39.2 RAD. = 1736181.4	1.2 2.2 16.6
64297	X = 1316814 Y = 1085165 Z = 322271	18 17 11	LAT. = 10 41 43.2 LONG. = 39 29 29.0 RAD. = 1736502.8	1.2 2.2 16.5
Z3853	X = 1313292 Y = 1099670 Z = 285641	19 19 14	LAT. = 9 28 3.0 LONG. = 39 56 26.7 RAD. = 1736549.2	1.6 2.3 19.6
Z3855	X = 1318633 Y = 1098796 Z = 263211	18 19 16	LAT. = 8 43 5.8 LONG. = 39 48 14.1 RAD. = 1736498.7	1.7 2.3 19.6
83606	X = 1322058 Y = 1099551 Z = 242221	20 18 12	LAT. = 8 1 5.2 LONG. = 39 45 .0 RAD. = 1736525.5	1.4 2.3 19.2



TERRAIN POINTS ON MAP SHEET 61B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44822	X = 1276812 Y = 1080210 Z = 467606	17 16 11	LAT. = 15 37 14.1 LONG. = 40 13 55.0 RAD. = 1736593.6	1.2 2.2 16.0
54193	X = 1270561 Y = 1102894 Z = 429966	17 16 11	LAT. = 14 20 7.2 LONG. = 40 57 33.1 RAD. = 1736540.3	1.2 2.2 15.8
V5411	X = 1271582 Y = 1104035 Z = 424766	18 19 17	LAT. = 14 9 24.8 LONG. = 40 57 56.6 RAD. = 1736732.6	1.8 2.3 19.9
54195	X = 1282673 Y = 1097560 Z = 404241	17 16 10	LAT. = 13 27 58.6 LONG. = 40 33 10.8 RAD. = 1735885.4	1.2 2.2 15.4
7376A	X = 1293457 Y = 1092888 Z = 382968	32 24 15	LAT. = 12 44 37.1 LONG. = 40 11 44.4 RAD. = 1736115.9	1.5 2.5 35.4
6429C	X = 1293465 Y = 1092931 Z = 382926	23 20 13	LAT. = 12 44 31.4 LONG. = 40 11 47.8 RAD. = 1736139.6	1.6 2.4 22.6
23849	X = 1289963 Y = 1110403 Z = 342892	20 19 12	LAT. = 11 23 24.7 LONG. = 40 43 18.9 RAD. = 1736252.9	1.4 2.3 19.5
2870	X = 1291897 Y = 1111273 Z = 333205	18 16 12	LAT. = 11 3 48.9 LONG. = 40 42 6.0 RAD. = 1736361.5	1.4 2.3 15.3
23851	X = 1301476 Y = 1105844 Z = 313587	19 19 13	LAT. = 10 24 16.3 LONG. = 40 21 14.5 RAD. = 1736394.6	1.4 2.3 19.5
64263	X = 1290973 Y = 1119398 Z = 309055	18 17 12	LAT. = 10 15 8.3 LONG. = 40 55 42.4 RAD. = 1736427.2	1.4 2.2 16.9
64277	X = 1309716 Y = 1103676 Z = 274227	19 17 12	LAT. = 9 5 10.9 LONG. = 40 11 49.0 RAD. = 1736458.1	1.4 2.2 17.1
1104	X = 1253462 Y = 1106046 Z = 469159	21 20 14	LAT. = 15 40 36.7 LONG. = 41 25 29.9 RAD. = 1736264.9	1.6 2.4 22.2

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44699	X = 1257187 Y = 1106248 Z = 459562	17 16 11	LAT. = 15 20 45.2 LONG. = 41 20 44.9 RAD. = 1736520.3	1.3 2.2 15.9
8449E	X = 1257192 Y = 1106227 Z = 459515	21 20 15	LAT. = 15 20 40.1 LONG. = 41 20 42.5 RAD. = 1736497.3	1.6 2.4 22.1
23845	X = 1266320 Y = 1119139 Z = 400248	21 18 13	LAT. = 13 19 27.1 LONG. = 41 28 9.7 RAD. = 1736731.9	1.7 2.3 19.4
54186	X = 1274226 Y = 1122192 Z = 362781	19 19 12	LAT. = 12 3 37.9 LONG. = 41 22 11.6 RAD. = 1736253.6	1.3 2.2 20.3
73655	X = 1277102 Y = 1144738 Z = 270528	19 22 18	LAT. = 8 57 49.8 LONG. = 41 52 17.9 RAD. = 1736259.9	2.0 2.5 22.3
64255	X = 1294027 Y = 1127591 Z = 263299	17 16 11	LAT. = 8 43 17.0 LONG. = 41 4 5.9 RAD. = 1736460.0	1.2 2.1 15.7
64188	X = 1280205 Y = 1144839 Z = 255870	19 19 13	LAT. = 8 28 25.7 LONG. = 41 48 18.2 RAD. = 1736390.7	1.5 2.3 19.3
73734	X = 1237314 Y = 1140433 Z = 427670	29 20 15	LAT. = 14 15 36.2 LONG. = 42 40 4 RAD. = 1736212.3	2.2 2.6 26.1
54152	X = 1241778 Y = 1156621 Z = 369121	17 16 11	LAT. = 12 16 17.5 LONG. = 42 57 59.5 RAD. = 1736673.2	1.2 2.1 15.9
54154	X = 1257614 Y = 1149965 Z = 331706	17 16 11	LAT. = 11 0 53.6 LONG. = 42 26 23.5 RAD. = 1736099.5	1.2 2.1 16.8
54088	X = 1251031 Y = 1162197 Z = 313016	19 22 15	LAT. = 10 23 15.5 LONG. = 42 53 30.6 RAD. = 1736018.4	1.6 2.3 22.5
23695	X = 1256238 Y = 1162850 Z = 293791	18 19 12	LAT. = 9 44 18.5 LONG. = 42 47 21.2 RAD. = 1736855.2	1.4 2.2 19.0

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
64186	X = 1267219 Y = 1151076 Z = 288934	18 20 14	LAT. = 9 34 47.1 LONG. = 42 15 1.3 RAD. = 1736174.4	1.5 2.3 20.6
B445K	X = 1208770 Y = 1165767 Z = 440402	21 20 14	LAT. = 14 41 41.5 LONG. = 43 57 44.9 RAD. = 1736113.2	1.6 2.4 22.0
44654	X = 1208770 Y = 1165750 Z = 440341	17 17 13	LAT. = 14 41 34.8 LONG. = 43 57 43.5 RAD. = 1736087.0	1.4 2.2 17.3
V5255	X = 1223558 Y = 1163851 Z = 404200	18 19 18	LAT. = 13 27 39.5 LONG. = 43 34 2.5 RAD. = 1736381.4	1.8 2.3 19.9
54149	X = 1229603 Y = 1157946 Z = 403770	17 16 11	LAT. = 13 26 40.6 LONG. = 43 16 51.3 RAD. = 1736604.0	1.3 2.1 15.8
54084	X = 1225527 Y = 1173720 Z = 368485	16 16 10	LAT. = 12 15 5.6 LONG. = 43 45 46.9 RAD. = 1736466.4	1.2 2.1 15.2
54086	X = 1241140 Y = 1165120 Z = 341036	18 18 11	LAT. = 11 19 42.1 LONG. = 43 11 25.7 RAD. = 1736155.9	1.3 2.2 18.2
Z3693	X = 1245377 Y = 1168454 Z = 312426	19 18 12	LAT. = 10 22 3.6 LONG. = 43 10 29.1 RAD. = 1736047.1	1.4 2.2 19.1
2868	X = 1246698 Y = 1168944 Z = 305229	17 16 12	LAT. = 10 7 34.7 LONG. = 43 9 23.1 RAD. = 1736045.1	1.4 2.2 15.0
64152	X = 1237878 Y = 1187133 Z = 271227	17 16 10	LAT. = 8 59 10.6 LONG. = 43 48 4.4 RAD. = 1736430.3	1.2 2.1 15.6
1792	X = 1195017 Y = 1165083 Z = 477664	17 16 12	LAT. = 15 58 16.4 LONG. = 44 16 24.0 RAD. = 1735985.6	1.4 2.3 14.9
44652	X = 1197893 Y = 1166765 Z = 465667	16 16 11	LAT. = 15 33 40.1 LONG. = 44 14 45.0 RAD. = 1735838.0	1.2 2.1 15.3

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
54082	X = 1207347 Y = 1180810 Z = 403054	18 17 11	LAT. = 13 25 24.2 LONG. = 44 21 48.2 RAD. = 1736217.7	1.3 2.1 17.1
54053	X = 1208954 Y = 1204480 Z = 318902	17 16 10	LAT. = 10 35 4.9 LONG. = 44 53 37.6 RAD. = 1736099.7	1.2 2.1 16.4
54055	X = 1216329 Y = 1204218 Z = 293517	17 16 11	LAT. = 9 43 50.9 LONG. = 44 42 47.9 RAD. = 1736591.3	1.2 2.1 16.2
44630	X = 1174962 Y = 1191302 Z = 463778	17 17 12	LAT. = 15 29 31.0 LONG. = 45 23 44.4 RAD. = 1736325.8	1.3 2.1 16.9
54049	X = 1181781 Y = 1216641 Z = 374261	17 16 11	LAT. = 12 26 36.0 LONG. = 45 49 57.7 RAD. = 1736920.8	1.3 2.1 15.5
54052	X = 1196804 Y = 1210598 Z = 340835	16 15 10	LAT. = 11 19 19.0 LONG. = 45 19 41.8 RAD. = 1736104.2	1.2 2.0 14.9
54042	X = 1188653 Y = 1225682 Z = 315213	18 18 12	LAT. = 10 27 35.9 LONG. = 45 52 43.3 RAD. = 1736246.2	1.4 2.1 18.9
23649	X = 1191821 Y = 1227758 Z = 292976	19 18 12	LAT. = 9 42 57.9 LONG. = 45 51 3.4 RAD. = 1735990.5	1.4 2.2 18.9
54044	X = 1204891 Y = 1218058 Z = 281069	17 18 12	LAT. = 9 18 59.1 LONG. = 45 18 40.9 RAD. = 1736210.4	1.4 2.1 18.0
2866	X = 1199307 Y = 1225002 Z = 276741	17 16 12	LAT. = 9 10 11.9 LONG. = 45 36 26.1 RAD. = 1736534.9	1.4 2.1 14.6
V5206	X = 1147067 Y = 1218188 Z = 467814	18 18 12	LAT. = 15 37 12.7 LONG. = 46 43 20.3 RAD. = 1737410.7	1.4 2.2 19.2
1790	X = 1145495 Y = 1221588 Z = 462024	17 16 12	LAT. = 15 25 25.8 LONG. = 46 50 28.4 RAD. = 1737210.8	1.4 2.2 14.6

TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44495	X = 1145512 Y = 1226383 Z = 450441	17 17 12	LAT. = 15 1 29.4 LONG. = 46 57 10.0 RAD. = 1737558.7	1.3 2.1 17.0
44497	X = 1153950 Y = 1226217 Z = 428164	16 16 11	LAT. = 14 16 1.2 LONG. = 46 44 20.7 RAD. = 1737392.7	1.2 2.0 15.1
44499	X = 1169133 Y = 1219734 Z = 400943	16 16 11	LAT. = 13 20 58.8 LONG. = 46 12 48.5 RAD. = 1736484.4	1.2 2.0 14.9
54027	X = 1161324 Y = 1238066 Z = 366340	17 16 11	LAT. = 12 10 42.2 LONG. = 46 49 54.9 RAD. = 1736573.5	1.3 2.1 16.1
54040	X = 1177078 Y = 1230740 Z = 338566	17 16 10	LAT. = 11 14 38.7 LONG. = 46 16 36.2 RAD. = 1736336.0	1.3 2.0 15.8
54011	X = 1171391 Y = 1252485 Z = 266579	17 21 14	LAT. = 8 50 9.0 LONG. = 46 54 58.3 RAD. = 1735494.3	1.6 2.3 19.4
958	X = 1135914 Y = 1228005 Z = 469389	20 20 14	LAT. = 15 40 26.6 LONG. = 47 13 51.4 RAD. = 1737418.8	1.5 2.3 21.2
44484	X = 1126984 Y = 1242805 Z = 442600	16 17 12	LAT. = 14 46 43.5 LONG. = 47 47 53.0 RAD. = 1735094.1	1.3 2.1 16.7
54005	X = 1138691 Y = 1263820 Z = 346641	16 16 10	LAT. = 11 31 3.1 LONG. = 47 58 53.1 RAD. = 1736092.8	1.2 2.0 15.2
54007	X = 1148219 Y = 1262789 Z = 318568	16 16 11	LAT. = 10 34 21.4 LONG. = 47 43 14.3 RAD. = 1736239.8	1.3 2.0 16.0
54009	X = 1161217 Y = 1257857 Z = 290255	17 16 10	LAT. = 9 37 22.8 LONG. = 47 17 15.7 RAD. = 1736340.0	1.2 2.0 16.2
53888	X = 1156463 Y = 1269958 Z = 249419	16 16 10	LAT. = 8 15 44.3 LONG. = 47 40 40.4 RAD. = 1735633.1	1.2 2.0 15.8

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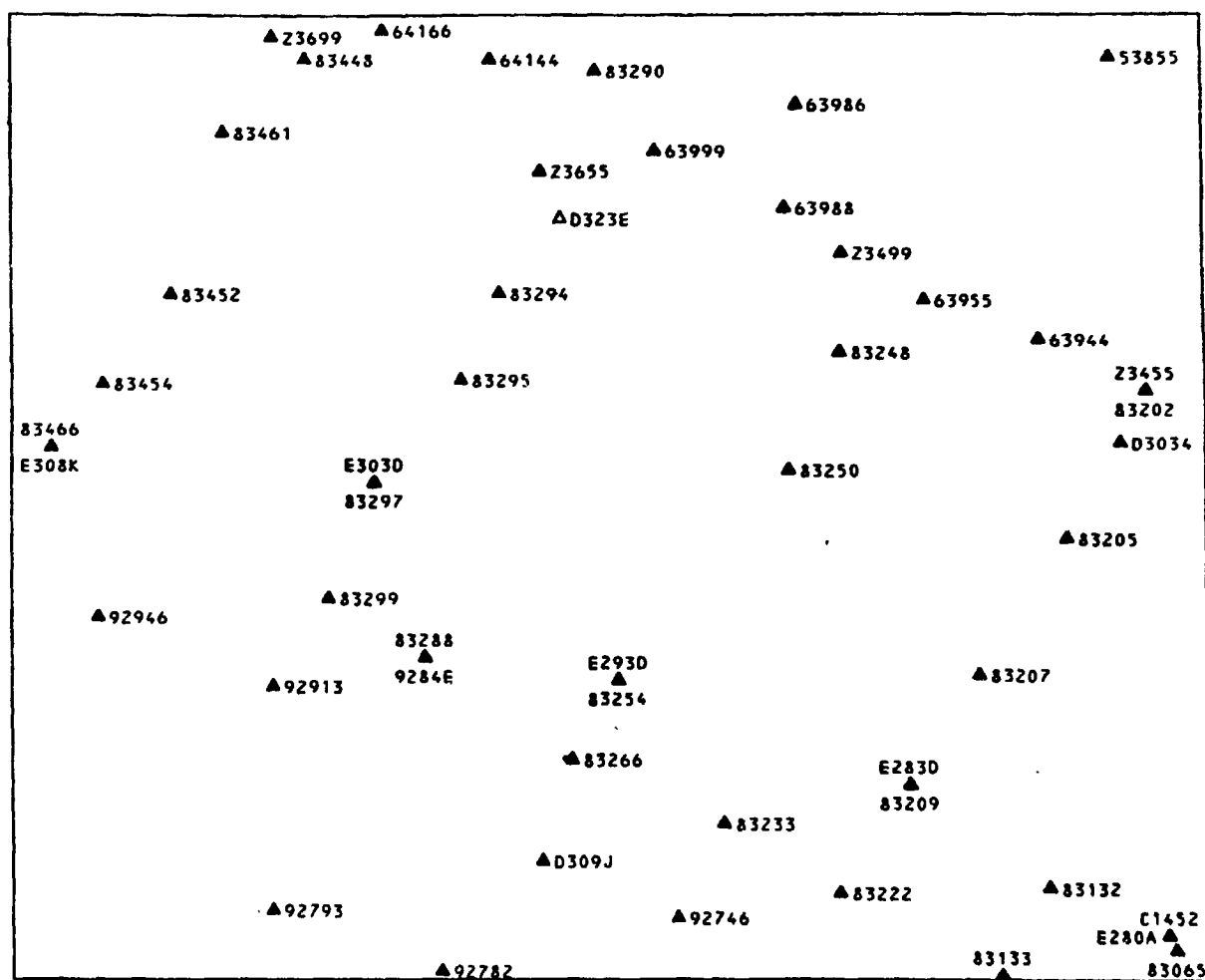
TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44455	X = 1121553 Y = 1270187 Z = 379571	15 15 10	LAT. = 12 37 34.0 LONG. = 48 33 21.8 RAD. = 1736470.3	1.2 2.0 14.6
7338J	X = 1119065 Y = 1285385 Z = 329239	24 20 16	LAT. = 10 56 2.4 LONG. = 48 57 25.0 RAD. = 1735776.6	2.1 2.5 22.2
Z3489	X = 1122897 Y = 1284519 Z = 321328	20 18 13	LAT. = 10 39 57.6 LONG. = 48 50 26.8 RAD. = 1734126.9	1.8 2.1 18.9
5388D	X = 1124776 Y = 1287464 Z = 302754	20 18 12	LAT. = 10 2 33.0 LONG. = 48 51 30.0 RAD. = 1736186.8	1.6 2.1 18.9
Z3490	X = 1130458 Y = 1284900 Z = 300848	19 18 12	LAT. = 9 58 12.6 LONG. = 48 39 31.0 RAD. = 1737645.5	1.6 2.1 18.7
53886	X = 1147008 Y = 1274383 Z = 271780	17 18 11	LAT. = 9 0 26.0 LONG. = 48 0 40.3 RAD. = 1735956.1	1.3 2.0 17.9
Z3493	X = 1146056 Y = 1276503 Z = 263840	19 19 13	LAT. = 8 44 36.6 LONG. = 48 4 56.0 RAD. = 1735659.6	1.5 2.2 18.9
2864	X = 1148410 Y = 1277236 Z = 240518	17 16 12	LAT. = 8 15 56.0 LONG. = 48 2 24.4 RAD. = 1735637.4	1.4 2.1 14.5
34921	X = 1077405 Y = 1275102 Z = 468400	16 16 11	LAT. = 15 40 25.0 LONG. = 49 48 13.2 RAD. = 1733806.5	1.3 2.0 15.8
44450	X = 1083366 Y = 1275611 Z = 453852	17 17 12	LAT. = 15 10 22.5 LONG. = 49 39 32.5 RAD. = 1734025.9	1.4 2.1 17.3
V5050	X = 1098506 Y = 1265958 Z = 446588	18 19 13	LAT. = 14 55 9.9 LONG. = 49 3 3.3 RAD. = 1734591.1	1.4 2.2 19.6
1788	X = 1091078 Y = 1273214 Z = 445890	18 16 13	LAT. = 14 53 29.9 LONG. = 49 24 18.5 RAD. = 1735034.0	1.6 2.3 14.6

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TERRAIN POINTS ON MAP SHEET 61B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V5051	X = 1100970 Y = 1269611 Z = 429261	18 19 13	LAT. = 14 19 44.9 LONG. = 49 4 8.8 RAD. = 1734448.5	1.4 2.1 19.7
44451	X = 1096516 Y = 1278915 Z = 422890	18 17 12	LAT. = 14 5 30.1 LONG. = 49 23 27.2 RAD. = 1736895.6	1.4 2.1 18.4
5394E	X = 1107271 Y = 1275710 Z = 406156	23 20 15	LAT. = 13 31 10.3 LONG. = 49 2 35.5 RAD. = 1737368.0	2.1 2.3 21.9
44453	X = 1107312 Y = 1275766 Z = 406051	16 16 11	LAT. = 13 30 56.2 LONG. = 49 2 36.2 RAD. = 1737410.5	1.3 2.0 16.0
53851	X = 1104387 Y = 1308200 Z = 287667	16 16 10	LAT. = 9 32 17.2 LONG. = 49 49 43.8 RAD. = 1736032.8	1.2 1.9 15.0



MAP SHEET 61C

TERRAIN POINTS ON MAP SHEET 61C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83454	X = 1309943 Y = 1129438 Z = 149732	18 17 11	LAT. = 4 56 51.8 LONG. = 40 46 5.0 RAD. = 1736088.2	1.3 2.2 16.4
83466	X = 1319518 Y = 1120390 Z = 133884	18 17 11	LAT. = 4 25 21.8 LONG. = 40 20 3.4 RAD. = 1736181.3	1.3 2.2 16.6
E308K	X = 1319536 Y = 1120419 Z = 133851	26 20 15	LAT. = 4 25 17.5 LONG. = 40 20 4.6 RAD. = 1736211.4	1.9 2.5 24.4
92946	X = 1313975 Y = 1131328 Z = 91053	19 17 12	LAT. = 3 0 21.7 LONG. = 40 43 42.0 RAD. = 1736296.5	1.4 2.2 17.8
83461	X = 1285260 Y = 1148287 Z = 212409	20 19 13	LAT. = 7 1 33.1 LONG. = 41 46 42.6 RAD. = 1736541.3	1.5 2.3 19.4
83452	X = 1297017 Y = 1141280 Z = 171967	20 20 13	LAT. = 5 41 3.8 LONG. = 41 20 43.5 RAD. = 1736186.6	1.5 2.3 21.0
Z3699	X = 1274637 Y = 1155617 Z = 236290	18 19 16	LAT. = 7 49 11.7 LONG. = 42 11 46.3 RAD. = 1736658.8	1.7 2.3 19.3
83448	X = 1269488 Y = 1162062 Z = 230705	22 19 14	LAT. = 7 38 5.9 LONG. = 42 28 13.1 RAD. = 1736436.3	1.8 2.3 21.0
83299	X = 1275050 Y = 1175053 Z = 95617	19 17 12	LAT. = 3 9 22.9 LONG. = 42 39 46.3 RAD. = 1736561.2	1.5 2.2 17.6
92913	X = 1285300 Y = 1165270 Z = 73445	18 17 11	LAT. = 2 25 26.9 LONG. = 42 11 45.1 RAD. = 1736445.8	1.3 2.2 17.0
92793	X = 1286474 Y = 1166011 Z = 17253	25 21 13	LAT. = 0 34 9.6 LONG. = 42 11 16.7 RAD. = 1736345.2	1.5 2.3 26.2
64166	X = 1255652 Y = 1176336 Z = 237926	19 23 18	LAT. = 7 52 22.9 LONG. = 43 7 55.4 RAD. = 1736961.8	2.0 2.4 22.4

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
83295	X = 1248632 Y = 1197051 Z = 150326	19 19 12	LAT. = 4 58 .8 LONG. = 43 47 30.4 RAD. = 1736263.5	1.4 2.2 19.4
E303D	X = 1265376 Y = 1182590 Z = 124705	27 19 18	LAT. = 4 7 5.9 LONG. = 43 3 47.1 RAD. = 1736446.5	2.3 2.6 24.2
83297	X = 1265422 Y = 1182536 Z = 124621	20 29 13	LAT. = 4 6 56.0 LONG. = 43 3 38.7 RAD. = 1736437.2	1.5 2.6 27.2
83288	X = 1258173 Y = 1192973 Z = 80642	19 19 13	LAT. = 2 39 46.6 LONG. = 43 28 34.7 RAD. = 1735709.3	1.5 2.3 18.9
9284E	X = 1258238 Y = 1192989 Z = 80540	32 29 32	LAT. = 2 39 34.1 LONG. = 43 28 30.7 RAD. = 1735762.7	4.0 2.5 37.1
92782	X = 1257101 Y = 1197140 Z = 2044	21 20 12	LAT. = 0 4 2.8 LONG. = 43 36 1.6 RAD. = 1735929.9	1.5 2.2 21.8
64144	X = 1236767 Y = 1196077 Z = 230381	17 17 12	LAT. = 7 37 35.9 LONG. = 44 2 30.5 RAD. = 1735877.4	1.3 2.1 16.4
83290	X = 1217958 Y = 1215175 Z = 227506	17 17 11	LAT. = 7 31 57.8 LONG. = 44 56 4.1 RAD. = 1735462.5	1.3 2.1 16.2
Z3655	X = 1230289 Y = 1207602 Z = 202518	17 19 16	LAT. = 6 42 .4 LONG. = 44 28 .6 RAD. = 1735778.2	1.8 2.2 19.1
D323E	X = 1227586 Y = 1212056 Z = 190596	36 32 26	LAT. = 6 18 16.6 LONG. = 44 38 7.0 RAD. = 1735619.1	3.6 2.5 41.2
83294	X = 1240081 Y = 1202453 Z = 171975	20 18 12	LAT. = 5 41 8.5 LONG. = 44 7 2.7 RAD. = 1735877.1	1.4 2.2 19.3
83266	X = 1233031 Y = 1220570 Z = 55052	17 17 11	LAT. = 1 49 2.8 LONG. = 44 42 32.5 RAD. = 1735853.0	1.3 2.1 16.0

TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D309J	X = 1238910 Y = 1215527 Z = 29600	21 25 18	LAT. = 0 58 37.4 LONG. = 44 27 15.0 RAD. = 1735880.0	2.2 2.4 25.1
63999	X = 1209115 Y = 1227509 Z = 207530	16 16 11	LAT. = 6 52 4.8 LONG. = 45 25 57.1 RAD. = 1735455.5	1.3 2.0 15.6
E293D	X = 1223917 Y = 1228277 Z = 74984	26 19 17	LAT. = 2 28 34.2 LONG. = 45 6 6.8 RAD. = 1735585.9	2.1 2.5 24.5
83254	X = 1223959 Y = 1228248 Z = 74917	20 20 14	LAT. = 2 28 26.2 LONG. = 45 6 .8 RAD. = 1735592.4	1.6 2.2 21.6
83233	X = 1206115 Y = 1247606 Z = 38955	17 17 11	LAT. = 1 17 9.5 LONG. = 45 58 7.5 RAD. = 1735728.4	1.3 2.1 16.2
92746	X = 1214884 Y = 1239784 Z = 15392	18 17 12	LAT. = 0 30 29.0 LONG. = 45 34 52.3 RAD. = 1735869.7	1.4 2.1 17.6
63986	X = 1182505 Y = 1251123 Z = 219031	16 16 11	LAT. = 7 15 3.1 LONG. = 46 36 54.3 RAD. = 1735396.1	1.2 2.0 15.8
63988	X = 1187187 Y = 1251412 Z = 193260	17 21 16	LAT. = 6 23 33.6 LONG. = 46 30 31.1 RAD. = 1735740.6	1.8 2.2 20.6
23499	X = 1177109 Y = 1261434 Z = 181982	17 19 15	LAT. = 6 1 15.8 LONG. = 46 58 49.8 RAD. = 1734911.5	1.7 2.2 19.1
83248	X = 1179128 Y = 1262718 Z = 157210	20 18 13	LAT. = 5 11 57.7 LONG. = 46 57 38.2 RAD. = 1734795.5	1.5 2.2 19.8
83250	X = 1190669 Y = 1256100 Z = 127706	19 18 12	LAT. = 4 13 12.1 LONG. = 46 31 54.6 RAD. = 1735450.8	1.4 2.1 19.4
83222	X = 1185272 Y = 1267810 Z = 21600	17 17 11	LAT. = 0 42 46.9 LONG. = 46 55 37.4 RAD. = 1735707.0	1.3 2.1 16.2

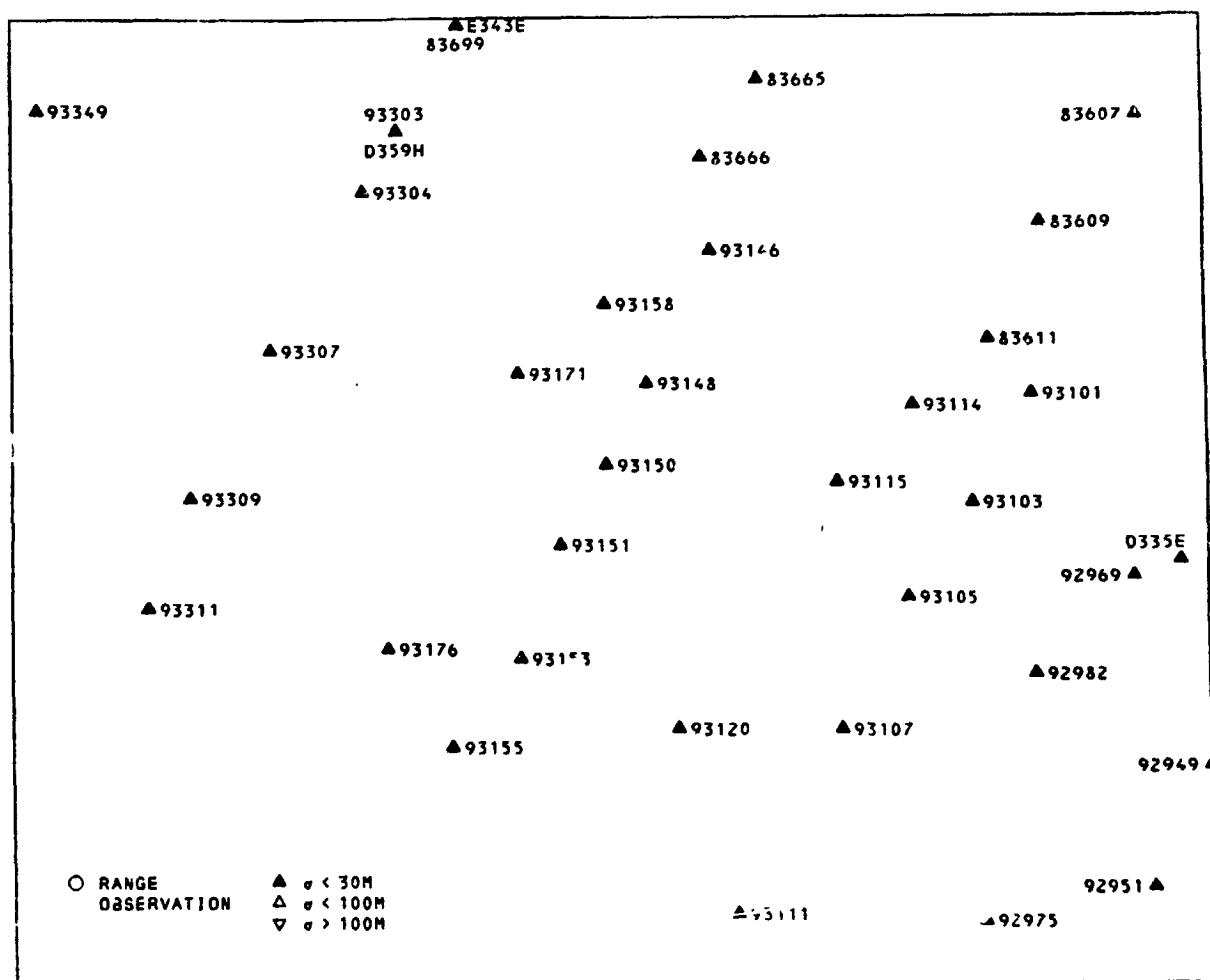
TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
63955	X = 1162835 Y = 1276610 Z = 170321	16 16 11	LAT. = 5 37 58.9 LONG. = 47 40 13.1 RAD. = 1735202.3	1.2 2.0 15.1
E283D	X = 1171748 Y = 1279440 Z = 48836	27 20 20	LAT. = 1 36 44.6 LONG. = 47 30 56.3 RAD. = 1735611.1	2.4 2.7 24.2
83209	X = 1171731 Y = 1279456 Z = 48805	18 19 12	LAT. = 1 36 40.9 LONG. = 47 30 59.1 RAD. = 1735610.2	1.4 2.1 19.3
63944	X = 1141778 Y = 1296537 Z = 160472	16 17 12	LAT. = 5 18 24.3 LONG. = 48 37 54.0 RAD. = 1735054.7	1.3 2.0 16.2
83205	X = 1139182 Y = 1303635 Z = 110663	19 18 12	LAT. = 3 39 26.8 LONG. = 48 51 5.0 RAD. = 1734775.5	1.5 2.1 19.4
83207	X = 1157223 Y = 1290295 Z = 76370	18 18 12	LAT. = 2 31 22.7 LONG. = 48 6 43.6 RAD. = 1734894.0	1.4 2.1 19.4
83132	X = 1145794 Y = 1303189 Z = 22920	18 20 12	LAT. = 0 45 24.2 LONG. = 48 40 38.3 RAD. = 1735416.5	1.5 2.1 20.2
83133	X = 1155199 Y = 1295402 Z = 1051	17 17 11	LAT. = 0 2 4.9 LONG. = 48 16 27.9 RAD. = 1735670.7	1.3 2.0 16.4
53855	X = 1122990 Y = 1302816 Z = 230809	16 16 10	LAT. = 7 38 34.4 LONG. = 49 14 22.6 RAD. = 1735427.6	1.2 1.9 16.1
Z3455	X = 1122256 Y = 1314776 Z = 147696	17 19 16	LAT. = 4 53 1.0 LONG. = 49 31 .7 RAD. = 1734909.3	1.8 2.1 19.2
83202	X = 1122331 Y = 1314708 Z = 147610	24 20 16	LAT. = 4 52 50.8 LONG. = 49 30 48.6 RAD. = 1734899.0	2.0 2.3 23.9
D3034	X = 1127764 Y = 1311345 Z = 134705	26 20 18	LAT. = 4 27 12.1 LONG. = 49 18 15.4 RAD. = 1734826.5	2.3 2.5 24.7

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TERRAIN POINTS ON MAP SHEET 61C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
C1452	X = 1123348	18	LAT. = 0 22 6.6	1.4
	Y = 1323078	19	LONG. = 49 40 2.5	2.1
	Z = 11163	12	RAD. = 1735675.9	19.4
E280A	X = 1123424	26	LAT. = 0 21 53.9	2.2
	Y = 1323042	19	LONG. = 49 39 52.9	2.5
	Z = 11056	19	RAD. = 1735697.0	24.2
83065	X = 1121798	19	LAT. = 0 14 45.7	1.9
	Y = 1323895	25	LONG. = 49 43 25.8	2.3
	Z = 7452	16	RAD. = 1735276.6	24.6



MAP SHEET 61D

TERRAIN POINTS ON MAP SHEET 61D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93349	X = 1488334 Y = 866933 Z = 219085	22 19 12	LAT. = 7 14 56.1 LONG. = 30 13 12.6 RAD. = 1736292.1	1.4 2.5 20.6
93309	X = 1476787 Y = 904768 Z = 121986	20 20 14	LAT. = 4 1 44.2 LONG. = 31 29 38.9 RAD. = 1736198.5	1.6 2.5 20.2
93311	X = 1483726 Y = 896312 Z = 94390	22 24 18	LAT. = 3 7 .5 LONG. = 31 8 9.5 RAD. = 1736009.2	2.1 2.7 23.6
93304	X = 1447599 Y = 938441 Z = 198479	19 18 11	LAT. = 6 33 46.7 LONG. = 32 57 15.5 RAD. = 1736550.6	1.3 2.3 17.2
93307	X = 1463682 Y = 920732 Z = 158932	21 19 13	LAT. = 5 15 4.9 LONG. = 32 10 19.3 RAD. = 1736482.5	1.4 2.4 20.0
E343E	X = 1429879 Y = 955779 Z = 239994	27 20 15	LAT. = 7 56 37.4 LONG. = 33 45 36.3 RAD. = 1736566.7	1.9 2.6 24.4
83699	X = 1429844 Y = 955863 Z = 239927	19 18 12	LAT. = 7 56 29.3 LONG. = 33 45 47.1 RAD. = 1736575.1	1.4 2.4 17.0
93303	X = 1441396 Y = 944742 Z = 213624	22 18 12	LAT. = 7 3 57.6 LONG. = 33 14 32.1 RAD. = 1736604.6	1.5 2.4 19.9
D359H	X = 1441324 Y = 944743 Z = 213604	22 23 19	LAT. = 7 3 56.0 LONG. = 33 14 36.9 RAD. = 1736542.6	2.0 2.6 24.1
93176	X = 1452312 Y = 948215 Z = 84026	21 22 16	LAT. = 2 46 24.7 LONG. = 33 8 25.9 RAD. = 1736485.4	1.9 2.5 22.2
93155	X = 1444300 Y = 962464 Z = 59310	22 23 18	LAT. = 1 57 25.8 LONG. = 33 40 44.4 RAD. = 1736622.9	2.0 2.6 23.2
93158	X = 1416058 Y = 991135 Z = 170275	19 18 12	LAT. = 5 37 34.3 LONG. = 34 59 20.9 RAD. = 1736824.8	1.3 2.3 17.4

TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93171	X = 1429952 Y = 973753 Z = 152970	22 20 12	LAT. = 5 3 10.8 LONG. = 34 15 13.1 RAD. = 1736766.5	1.5 2.4 21.8
93150	X = 1418739 Y = 993047 Z = 130015	21 20 12	LAT. = 4 17 36.8 LONG. = 34 59 24.4 RAD. = 1736625.0	1.5 2.4 21.3
93151	X = 1426705 Y = 984152 Z = 110011	21 21 13	LAT. = 3 37 54.6 LONG. = 34 35 53.6 RAD. = 1736705.1	1.5 2.4 21.4
93153	X = 1433684 Y = 976366 Z = 81562	21 21 14	LAT. = 2 41 31.7 LONG. = 34 15 20.2 RAD. = 1736488.3	1.7 2.4 21.4
83666	X = 1398457 Y = 1008821 Z = 206816	18 17 11	LAT. = 6 50 21.4 LONG. = 35 48 21.5 RAD. = 1736713.4	1.3 2.3 16.3
93146	X = 1399385 Y = 1012107 Z = 183571	19 18 11	LAT. = 6 4 2.4 LONG. = 35 52 35.0 RAD. = 1736760.6	1.3 2.3 17.1
93148	X = 1411570 Y = 1000656 Z = 150422	22 19 12	LAT. = 4 58 6.7 LONG. = 35 19 57.6 RAD. = 1736798.8	1.5 2.4 21.5
93120	X = 1411387 Y = 1009505 Z = 63812	21 22 15	LAT. = 2 6 21.7 LONG. = 35 34 28.3 RAD. = 1736428.9	1.7 2.4 22.2
83665	X = 1387980 Y = 1019002 Z = 226183	18 18 11	LAT. = 7 29 .5 LONG. = 36 17 4.9 RAD. = 1736666.7	1.3 2.3 17.0
93115	X = 1384754 Y = 1040340 Z = 125692	22 19 12	LAT. = 4 9 2.5 LONG. = 36 55 .6 RAD. = 1736562.5	1.5 2.3 21.7
93117	X = 1386839 Y = 1042620 Z = 63595	22 21 14	LAT. = 2 5 56.9 LONG. = 36 56 8.5 RAD. = 1736209.0	1.7 2.5 23.0
93111	X = 1403727 Y = 1021632 Z = 17382	21 23 18	LAT. = 0 34 25.0 LONG. = 36 2 49.6 RAD. = 1736226.9	2.1 2.6 23.2

TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
93114	X = 1371892 Y = 1054744 Z = 144921	19 17 11	LAT. = 4 47 13.6 LONG. = 37 33 14.2 RAD. = 1736540.4	1.3 2.3 17.2
93105	X = 1375502 Y = 1055617 Z = 96741	21 20 12	LAT. = 3 11 36.6 LONG. = 37 30 14.8 RAD. = 1736574.3	1.5 2.3 21.3
83609	X = 1348123 Y = 1077907 Z = 190540	18 17 12	LAT. = 6 17 57.7 LONG. = 38 38 40.2 RAD. = 1736555.7	1.4 2.2 16.9
83611	X = 1358700 Y = 1069304 Z = 161373	18 17 11	LAT. = 5 19 55.6 LONG. = 38 12 10.5 RAD. = 1736525.1	1.3 2.2 16.1
93101	X = 1353184 Y = 1078538 Z = 147679	19 18 12	LAT. = 4 52 40.7 LONG. = 38 33 22.2 RAD. = 1736710.1	1.4 2.3 17.8
93103	X = 1364253 Y = 1067866 Z = 120540	19 18 12	LAT. = 3 58 48.0 LONG. = 38 3 7.1 RAD. = 1736679.1	1.4 2.3 17.9
92982	X = 1356164 Y = 1081432 Z = 77429	21 20 12	LAT. = 2 33 21.3 LONG. = 38 34 10.4 RAD. = 1736281.0	1.5 2.3 22.2
92975	X = 1365605 Y = 1071555 Z = 15575	21 22 16	LAT. = 0 30 50.7 LONG. = 38 7 13.3 RAD. = 1735900.2	1.8 2.4 22.4
83607	X = 1330471 Y = 1094822 Z = 217000	20 18 12	LAT. = 7 10 41.3 LONG. = 39 27 1.4 RAD. = 1736628.2	1.4 2.3 19.3
D335E	X = 1331985 Y = 1108807 Z = 105848	21 25 19	LAT. = 3 29 41.9 LONG. = 39 46 32.1 RAD. = 1736329.5	2.2 2.7 24.1
92969	X = 1339636 Y = 1100054 Z = 101940	22 19 13	LAT. = 3 21 56.2 LONG. = 39 23 29.1 RAD. = 1736414.6	1.5 2.3 21.9
92949	X = 1329354 Y = 1115452 Z = 54522	21 20 12	LAT. = 1 47 58.4 LONG. = 39 59 59.2 RAD. = 1736199.3	1.5 2.3 21.5

TERRAIN POINTS ON MAP SHEET 61D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92951	X = 1339003	21	LAT. = 0 47 51.8	1.6
	Y = 1104846	20	LONG. = 39 31 37.0	2.3
	Z = 24172	13	RAD. = 1736144.6	21.5

TERRAIN POINTS ON MAP SHEET 62A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34798	X = 1050724 Y = 1296949 Z = 469480	16 17 13	LAT. = 15 42 34.3 LONG. = 50 59 14.3 RAD. = 1733929.1	1.4 2.1 17.4
44427	X = 1057631 Y = 1299671 Z = 446014	21 21 13	LAT. = 14 54 18.9 LONG. = 50 51 44.7 RAD. = 1733971.3	1.7 2.1 22.9
44429	X = 1071279 Y = 1297479 Z = 418039	16 16 11	LAT. = 13 57 9.6 LONG. = 50 27 17.3 RAD. = 1733737.8	1.2 2.0 16.2
8415K	X = 1070229 Y = 1320989 Z = 355484	32 25 18	LAT. = 11 48 36.1 LONG. = 50 59 11.6 RAD. = 1736885.3	1.8 2.6 36.3
44410	X = 1070039 Y = 1321074 Z = 355033	16 17 16	LAT. = 11 47 45.0 LONG. = 50 59 36.0 RAD. = 1736741.0	1.7 2.0 18.3
63934	X = 1084393 Y = 1318464 Z = 315886	18 17 11	LAT. = 10 29 .4 LONG. = 50 33 49.8 RAD. = 1736099.1	1.4 2.0 17.2
548	X = 1043444 Y = 1300169 Z = 476920	17 16 13	LAT. = 15 57 52.8 LONG. = 51 15 5.0 RAD. = 1733974.4	1.6 2.2 14.4
34777	X = 1036220 Y = 1314527 Z = 453518	16 18 12	LAT. = 5 9 36.1 LONG. = 51 45 6.8 RAD. = 1734189.1	1.4 2.0 18.0
1786	X = 1035891 Y = 1322979 Z = 427551	16 15 12	LAT. = 14 16 33.9 LONG. = 51 56 20.8 RAD. = 1733823.3	1.4 2.1 14.3
44407	X = 1043270 Y = 1325786 Z = 399757	15 15 10	LAT. = 13 19 50.7 LONG. = 51 48 2.0 RAD. = 1733760.9	1.2 1.9 15.1
44409	X = 1059984 Y = 1323295 Z = 376944	15 15 11	LAT. = 12 32 3.3 LONG. = 51 18 16.6 RAD. = 1736882.7	1.2 1.9 15.0
53828	X = 1066469 Y = 1337835 Z = 290910	16 15 10	LAT. = 9 38 59.7 LONG. = 51 26 22.3 RAD. = 1735450.4	1.2 1.9 15.0

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34764	X = 1005257 Y = 1331648 Z = 470924	15 16 11	LAT. = 15 45 41.6 LONG. = 52 57 3.5 RAD. = 1733665.8	1.3 1.9 15.2
34755	X = 1013205 Y = 1334540 Z = 445113	15 16 11	LAT. = 14 52 36.6 LONG. = 52 47 37.1 RAD. = 1733697.4	1.2 1.9 15.2
44405	X = 1031180 Y = 1328053 Z = 422994	16 16 10	LAT. = 14 7 16.1 LONG. = 52 10 19.6 RAD. = 1733776.7	1.2 1.9 15.5
954	X = 1034165 Y = 1328683 Z = 413585	17 16 13	LAT. = 13 48 2.9 LONG. = 52 6 18.1 RAD. = 1733767.1	1.6 2.2 14.2
44285	X = 1023098 Y = 1346721 Z = 381241	15 16 11	LAT. = 12 42 11.3 LONG. = 52 46 34.5 RAD. = 1733704.6	1.3 1.9 15.9
53806	X = 1041102 Y = 1362744 Z = 267434	15 16 10	LAT. = 8 51 49.0 LONG. = 52 37 15.9 RAD. = 1735651.6	1.2 1.9 15.1
546	X = 990662 Y = 1349842 Z = 449607	16 15 13	LAT. = 15 1 50.7 LONG. = 53 43 28.9 RAD. = 1733675.8	1.6 2.2 14.2
34744	X = 994084 Y = 1353380 Z = 431075	15 17 12	LAT. = 14 23 50.8 LONG. = 53 42 7.2 RAD. = 1733685.7	1.3 1.9 16.6
V4855	X = 1006273 Y = 1373434 Z = 327777	16 19 18	LAT. = 10 53 48.9 LONG. = 53 46 15.2 RAD. = 1733881.1	1.9 2.1 20.1
44255	X = 1015670 Y = 1371745 Z = 313433	15 15 11	LAT. = 10 24 20.1 LONG. = 53 28 58.6 RAD. = 1735370.0	1.2 1.9 14.9
53805	X = 1026599 Y = 1368402 Z = 292277	18 18 12	LAT. = 9 41 44.1 LONG. = 53 7 19.7 RAD. = 1735470.3	1.4 2.0 18.9
53782	X = 1013485 Y = 1385067 Z = 269905	16 16 10	LAT. = 8 56 14.3 LONG. = 53 48 22.3 RAD. = 1737357.8	1.3 1.9 15.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
23289	X = 1016005 Y = 1383592 Z = 259927	19 18 13	LAT. = 8 36 37.8 LONG. = 53 42 33.4 RAD. = 1736131.8	1.7 2.0 18.9
53784	X = 1028856 Y = 1375839 Z = 243440	15 16 10	LAT. = 8 3 54.6 LONG. = 53 12 38.8 RAD. = 1735148.1	1.2 1.9 15.6
53780	X = 1028511 Y = 1376213 Z = 243186	18 18 12	LAT. = 8 3 23.1 LONG. = 53 13 38.8 RAD. = 1735205.3	1.6 2.0 19.0
34741	X = 979851 Y = 1349768 Z = 472834	14 15 11	LAT. = 15 49 38.2 LONG. = 54 1 21.3 RAD. = 1733653.4	1.2 1.9 14.5
V4849	X = 981738 Y = 1365926 Z = 420294	17 19 12	LAT. = 14 1 42.9 LONG. = 54 17 38.0 RAD. = 1733842.2	1.4 2.0 19.7
1784	X = 979706 Y = 1370829 Z = 408096	16 15 12	LAT. = 13 36 54.1 LONG. = 54 26 50.3 RAD. = 1733649.2	1.4 2.0 13.9
44249	X = 971356 Y = 1379751 Z = 397468	16 16 11	LAT. = 13 15 16.6 LONG. = 54 51 14.9 RAD. = 1733559.1	1.3 1.9 15.7
V4851	X = 987531 Y = 1369490 Z = 394510	17 19 13	LAT. = 13 9 5.9 LONG. = 54 12 17.5 RAD. = 1733885.7	1.4 2.0 19.7
44253	X = 996176 Y = 1376425 Z = 345627	16 17 12	LAT. = 11 29 53.3 LONG. = 54 6 18.6 RAD. = 1733888.9	1.4 2.0 16.4
34707	X = 934918 Y = 1381869 Z = 471107	14 16 11	LAT. = 15 46 4.5 LONG. = 55 55 9.4 RAD. = 1733659.9	1.3 1.9 15.5
34709	X = 944873 Y = 1382141 Z = 449982	14 15 10	LAT. = 15 2 37.4 LONG. = 55 38 32.3 RAD. = 1733661.7	1.2 1.8 14.6
34710	X = 956424 Y = 1382161 Z = 424651	15 16 11	LAT. = 14 10 44.0 LONG. = 55 19 3.6 RAD. = 1733621.4	1.3 1.9 15.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U5155	X = 957308 Y = 1393213 Z = 384566	16 32 27	LAT. = 12 48 59.7 LONG. = 55 30 22.2 RAD. = 1733600.7	2.6 2.8 32.1
A4354	X = 957263 Y = 1397386 Z = 369693	15 16 11	LAT. = 12 18 44.1 LONG. = 55 35 14.5 RAD. = 1733699.4	1.2 1.8 15.8
A4355	X = 971370 Y = 1393602 Z = 347400	15 16 11	LAT. = 11 33 28.5 LONG. = 55 7 21.7 RAD. = 1733889.2	1.3 1.8 15.8
44155	X = 963273 Y = 1414358 Z = 293196	15 16 11	LAT. = 9 43 20.9 LONG. = 55 44 33.0 RAD. = 1736164.7	1.3 1.9 15.3
B359D	X = 982345 Y = 1410458 Z = 242610	17 21 17	LAT. = 8 2 2.8 LONG. = 55 8 37.8 RAD. = 1735872.1	1.8 2.1 22.0
6359D	X = 982292 Y = 1410493 Z = 242603	23 20 16	LAT. = 8 2 2.0 LONG. = 55 8 45.5 RAD. = 1735869.5	2.0 2.3 22.9
53594	X = 982321 Y = 1410456 Z = 242571	18 17 12	LAT. = 8 1 58.5 LONG. = 55 8 40.2 RAD. = 1735851.7	1.5 2.0 17.9
A4347	X = 914572 Y = 1398625 Z = 461833	14 15 10	LAT. = 15 26 55.9 LONG. = 56 49 8.5 RAD. = 1733747.9	1.2 1.8 14.5
1480	X = 930207 Y = 1389394 Z = 458195	16 16 13	LAT. = 15 19 29.3 LONG. = 56 11 50.9 RAD. = 1733678.6	1.6 2.1 15.0
A4338	X = 921644 Y = 1402148 Z = 436697	15 16 11	LAT. = 14 35 17.3 LONG. = 56 40 57.9 RAD. = 1733825.5	1.2 1.8 15.7
544	X = 936313 Y = 1396827 Z = 421706	16 15 13	LAT. = 14 4 40.9 LONG. = 56 9 55.7 RAD. = 1733679.4	1.6 2.1 14.1
A4340	X = 939827 Y = 1399749 Z = 403615	14 16 11	LAT. = 13 27 46.3 LONG. = 56 7 17.7 RAD. = 1733630.9	1.2 1.8 15.2

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

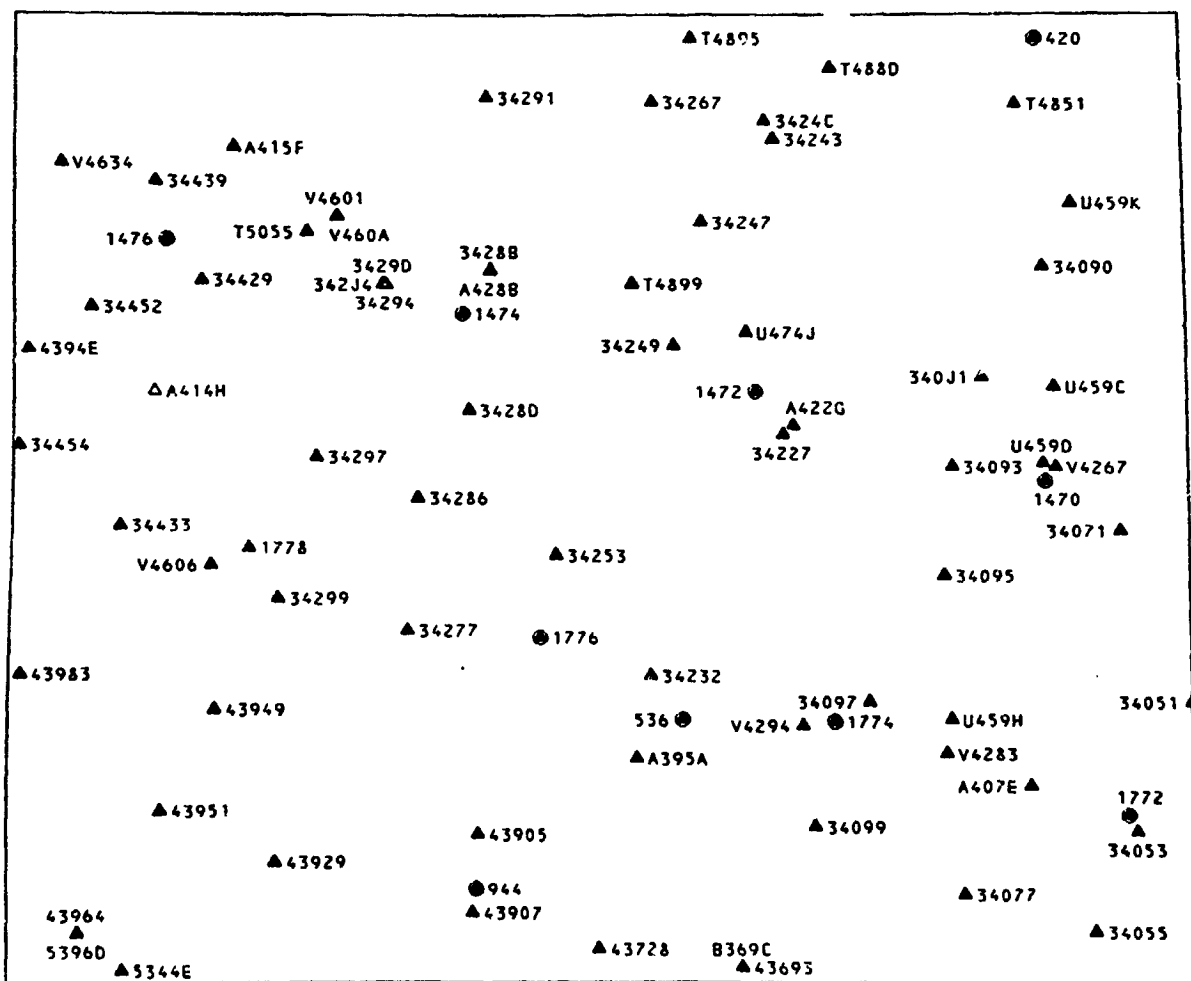
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1782	X = 920449 Y = 1416407 Z = 389992	15 15 12	LAT. = 13 0 .7 LONG. = 56 58 56.2 RAD. = 1733646.1	1.4 2.0 13.9
44149	X = 926443 Y = 1418439 Z = 367598	14 15 11	LAT. = 12 14 31.4 LONG. = 56 50 59.0 RAD. = 1733607.0	1.2 1.8 14.9
44151	X = 933376 Y = 1419919 Z = 344301	15 16 11	LAT. = 11 27 15.6 LONG. = 56 40 52.7 RAD. = 1733754.4	1.2 1.8 15.5
4415A	X = 950464 Y = 1410259 Z = 337185	16 20 16	LAT. = 11 12 52.2 LONG. = 56 1 17.2 RAD. = 1733755.1	1.6 2.0 20.2
V4699	X = 951677 Y = 1414726 Z = 313794	16 19 18	LAT. = 10 25 40.8 LONG. = 56 4 17.6 RAD. = 1733668.3	1.9 2.0 20.3
44153	X = 950810 Y = 1415518 Z = 312745	17 19 12	LAT. = 10 23 34.3 LONG. = 56 6 38.1 RAD. = 1733649.4	1.6 1.9 19.4
44144	X = 947912 Y = 1427433 Z = 277061	15 18 11	LAT. = 9 11 5.3 LONG. = 56 24 47.3 RAD. = 1735760.7	1.3 1.9 17.3
V4689	X = 886362 Y = 1416370 Z = 463365	14 15 11	LAT. = 15 29 59.7 LONG. = 57 57 42.3 RAD. = 1733911.3	1.3 1.8 14.9
34495	X = 889361 Y = 1420145 Z = 446080	14 16 11	LAT. = 14 54 26.0 LONG. = 57 56 35.8 RAD. = 1734001.8	1.3 1.8 15.5
34497	X = 895051 Y = 1425914 Z = 414645	14 15 11	LAT. = 13 50 10.0 LONG. = 57 53 .1 RAD. = 1733861.9	1.2 1.8 15.2
V4693	X = 913941 Y = 1416830 Z = 403587	15 17 11	LAT. = 13 27 42.0 LONG. = 57 10 31.9 RAD. = 1733660.3	1.3 1.8 17.1
34499	X = 905099 Y = 1427166 Z = 386737	14 15 11	LAT. = 12 53 23.0 LONG. = 57 37 2.7 RAD. = 1733658.1	1.2 1.8 15.0

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
44129	X = 908490 Y = 1440288 Z = 326454	14 16 11	LAT. = 10 51 8.5 LONG. = 57 45 27.0 RAD. = 1733884.5	1.2 1.8 15.7
9370	X = 872407 Y = 1426053 Z = 459798	18 21 14	LAT. = 15 22 42.4 LONG. = 58 32 35.6 RAD. = 1733821.0	1.6 2.1 22.5
T5222	X = 870432 Y = 1430232 Z = 450221	15 16 12	LAT. = 15 3 3.7 LONG. = 58 40 31.9 RAD. = 1733757.3	1.4 1.8 16.5
1478	X = 869526 Y = 1433454 Z = 441403	15 15 12	LAT. = 14 45 .1 LONG. = 58 45 33.1 RAD. = 1733696.2	1.4 1.9 13.7
U5107	X = 879656 Y = 1433010 Z = 422328	16 19 13	LAT. = 14 5 57.0 LONG. = 58 27 22.5 RAD. = 1733687.9	1.5 1.9 19.7
542	X = 880140 Y = 1441017 Z = 393182	16 16 15	LAT. = 13 6 28.5 LONG. = 58 35 3.7 RAD. = 1733715.1	1.7 2.2 14.0
34477	X = 877461 Y = 1444490 Z = 386412	14 16 10	LAT. = 12 52 41.6 LONG. = 58 43 23.7 RAD. = 1733725.1	1.2 1.7 15.5
U5111	X = 896418 Y = 1436960 Z = 369913	15 19 17	LAT. = 12 19 14.3 LONG. = 58 2 34.3 RAD. = 1733567.1	1.8 2.0 19.9
B384E	X = 876400 Y = 1457713 Z = 335646	21 22 15	LAT. = 11 9 47.2 LONG. = 58 59 6.2 RAD. = 1733685.0	2.1 2.1 23.0
43994	X = 876866 Y = 1457961 Z = 333525	14 17 12	LAT. = 11 5 29.2 LONG. = 58 58 33.3 RAD. = 1733719.7	1.3 1.8 17.1
43995	X = 879653 Y = 1463035 Z = 312432	17 21 14	LAT. = 10 22 16.8 LONG. = 58 59 .7 RAD. = 1735475.2	1.5 2.0 22.1
4399E	X = 880821 Y = 1462106 Z = 309944	15 19 16	LAT. = 10 17 29.9 LONG. = 58 56 1.8 RAD. = 1734838.9	1.7 1.9 19.5

TERRAIN POINTS ON MAP SHEET 62A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
5399G	X = 897070 Y = 1459457 Z = 287168	22 22 18	LAT. = 9 30 57.6 LONG. = 58 25 21.4 RAD. = 1737013.1	2.4 2.3 23.1
43998	X = 899614 Y = 1462776 Z = 265433	16 21 18	LAT. = 8 47 11.4 LONG. = 58 24 29.8 RAD. = 1737663.6	1.9 2.1 21.6
A447A	X = 851006 Y = 1434517 Z = 473318	20 21 15	LAT. = 15 50 32.9 LONG. = 59 19 19.5 RAD. = 1733805.1	2.2 2.1 21.7
T5099	X = 845656 Y = 1447814 Z = 440779	14 16 13	LAT. = 14 43 44.4 LONG. = 59 42 40.2 RAD. = 1733662.6	1.4 1.8 16.6
34484	X = 855245 Y = 1443821 Z = 435286	14 15 10	LAT. = 14 32 29.3 LONG. = 59 21 34.9 RAD. = 1733648.5	1.2 1.7 14.6
V4649	X = 857443 Y = 1456134 Z = 387218	14 17 11	LAT. = 12 54 22.6 LONG. = 59 30 30.1 RAD. = 1733629.7	1.3 1.8 16.9
1780	X = 859359 Y = 1459296 Z = 370292	15 15 12	LAT. = 12 20 1.2 LONG. = 59 30 24.3 RAD. = 1733539.1	1.4 1.9 13.9
V4650	X = 866843 Y = 1455662 Z = 367120	14 17 12	LAT. = 12 13 35.1 LONG. = 59 13 34.7 RAD. = 1733535.7	1.3 1.8 16.9
43985	X = 857845 Y = 1481171 Z = 287871	14 19 17	LAT. = 9 32 48.5 LONG. = 59 55 19.2 RAD. = 1735694.3	1.8 1.8 19.5



○ RANGE
OBSERVATION

▲ < 30M
△ < 100M
▽ > 100M

MAP SHEET 62B

TERRAIN POINTS ON MAP SHEET 62B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V4634	X = 827949 Y = 1457548 Z = 442197	14 15 11	LAT. = 14 46 39.7 LONG. = 60 24 5.7 RAD. = 1733633.6	1.4 1.8 14.9
34452	X = 825698 Y = 1468847 Z = 407596	13 15 10	LAT. = 13 35 53.8 LONG. = 60 39 28.5 RAD. = 1733616.1	1.2 1.7 15.2
4394E	X = 840693 Y = 1463101 Z = 397442	21 21 15	LAT. = 13 15 12.1 LONG. = 60 7 6.5 RAD. = 1733605.7	2.1 2.1 22.4
34454	X = 845125 Y = 1466640 Z = 373941	14 15 11	LAT. = 12 27 26.2 LONG. = 60 2 53.0 RAD. = 1733522.3	1.2 1.7 15.2
34433	X = 825083 Y = 1483141 Z = 354198	13 15 10	LAT. = 11 47 17.6 LONG. = 60 54 44.9 RAD. = 1733760.1	1.2 1.7 14.5
43983	X = 849687 Y = 1477429 Z = 317919	14 16 10	LAT. = 10 33 58.5 LONG. = 60 5 46.6 RAD. = 1733734.9	1.2 1.7 15.4
43964	X = 843902 Y = 1497272 Z = 254260	14 17 11	LAT. = 8 24 54.2 LONG. = 60 35 35.6 RAD. = 1737424.5	1.3 1.8 16.4
5396D	X = 843906 Y = 1497282 Z = 254234	23 39 30	LAT. = 8 24 51.0 LONG. = 60 35 35.9 RAD. = 1737430.8	4.2 2.2 37.7
5344E	X = 835045 Y = 1504338 Z = 244963	21 21 16	LAT. = 8 6 10.7 LONG. = 60 57 56.7 RAD. = 1737912.7	2.1 2.1 22.7
A415F	X = 789937 Y = 1477435 Z = 445963	20 22 16	LAT. = 14 54 21.4 LONG. = 61 52 4.9 RAD. = 1733695.0	2.3 2.1 22.3
34439	X = 808075 Y = 1469959 Z = 437839	13 15 10	LAT. = 14 37 43.8 LONG. = 61 12 4.5 RAD. = 1733628.5	1.2 1.7 14.4
1476	X = 807242 Y = 1474452 Z = 423851	15 14 12	LAT. = 14 9 7.1 LONG. = 61 17 59.7 RAD. = 1733579.8	1.4 1.9 13.7

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34429	X = 800779 Y = 1480778 Z = 413991	19 21 14	LAT. = 13 48 57.7 LONG. = 61 35 46.5 RAD. = 1733591.4	1.9 2.0 22.3
A414H	X = 814112 Y = 1480765 Z = 387045	32 28 15	LAT. = 12 54 3.3 LONG. = 61 11 54.1 RAD. = 1733564.5	1.8 2.6 36.9
V4606	X = 805913 Y = 1495927 Z = 344455	14 17 12	LAT. = 11 27 34.1 LONG. = 61 41 13.0 RAD. = 1733765.9	1.3 1.7 16.8
43949	X = 808818 Y = 1504084 Z = 309219	15 16 11	LAT. = 10 15 47.4 LONG. = 61 43 51.4 RAD. = 1735531.8	1.3 1.7 15.8
43951	X = 823488 Y = 1502684 Z = 284428	13 14 10	LAT. = 9 25 28.4 LONG. = 61 16 36.3 RAD. = 1736978.1	1.1 1.6 14.0
V4601	X = 769171 Y = 1493210 Z = 429316	17 20 14	LAT. = 14 20 15.2 LONG. = 62 44 47.2 RAD. = 1733670.1	2.0 1.9 19.9
V460A	X = 769094 Y = 1493172 Z = 429245	22 23 31	LAT. = 14 20 9.1 LONG. = 62 44 53.5 RAD. = 1733585.8	3.0 2.2 31.9
T5055	X = 776124 Y = 1490649 Z = 425544	15 19 10	LAT. = 14 12 33.2 LONG. = 62 29 44.7 RAD. = 1733635.0	2.0 1.9 20.4
34297	X = 779970 Y = 1503595 Z = 370862	13 15 10	LAT. = 12 20 59.1 LONG. = 62 34 57.2 RAD. = 1733980.6	1.2 1.6 14.6
1778	X = 797040 Y = 1499687 Z = 348601	15 19 12	LAT. = 11 35 58.1 LONG. = 62 0 56.4 RAD. = 1733740.4	1.4 1.8 19.7
34299	X = 791673 Y = 1505408 Z = 336158	13 15 10	LAT. = 11 10 47.0 LONG. = 62 15 38.7 RAD. = 1733783.2	1.2 1.6 14.8
43929	X = 799005 Y = 1518215 Z = 271571	13 15 11	LAT. = 8 59 41.4 LONG. = 62 14 35.2 RAD. = 1736990.7	1.2 1.6 15.0

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3429D	X = 760628	16	LAT. = 13 46 44.6	3.1
	Y = 1502215	29	LONG. = 63 8 42.6	2.4
	Z = 412930	31	RAD. = 1733699.8	32.1
342J4	X = 759926	22	LAT. = 13 46 28.4	1.6
	Y = 1502649	27	LONG. = 63 10 23.4	2.0
	Z = 412807	15	RAD. = 1733738.5	32.0
34294	X = 759889	31	LAT. = 13 46 28.3	3.0
	Y = 1502540	34	LONG. = 63 10 21.4	2.4
	Z = 412779	19	RAD. = 1733622.2	37.3
1474	X = 743642	14	LAT. = 13 31 52.7	1.4
	Y = 1513041	14	LONG. = 63 49 35.1	1.8
	Z = 405725	12	RAD. = 1734043.9	13.6
3428D	X = 744419	15	LAT. = 12 43 46.2	1.5
	Y = 1518716	19	LONG. = 63 53 15.4	1.8
	Z = 382077	13	RAD. = 1733966.4	19.8
34286	X = 758020	13	LAT. = 12 0 21.8	1.2
	Y = 1517075	15	LONG. = 63 27 2.1	1.6
	Z = 360664	10	RAD. = 1733836.8	14.5
34277	X = 764012	13	LAT. = 10 54 36.9	1.3
	Y = 1523186	15	LONG. = 63 21 43.9	1.6
	Z = 328466	11	RAD. = 1735425.0	15.4
43905	X = 752851	20	LAT. = 9 13 11.9	2.1
	Y = 1540808	20	LONG. = 63 57 34.2	2.0
	Z = 278366	16	RAD. = 1737343.1	21.7
944	X = 753780	15	LAT. = 8 46 15.0	1.5
	Y = 1541729	15	LONG. = 63 56 42.5	1.9
	Z = 264777	13	RAD. = 1736438.9	14.3
43907	X = 755097	13	LAT. = 8 34 30.8	1.2
	Y = 1541966	14	LONG. = 63 54 32.8	1.6
	Z = 258901	10	RAD. = 1736335.7	14.4
34291	X = 732293	13	LAT. = 15 19 3.0	1.3
	Y = 1503307	16	LONG. = 64 1 41.8	1.7
	Z = 458006	11	RAD. = 1733768.6	15.5
3428B	X = 736162	14	LAT. = 13 53 18.9	1.4
	Y = 1513863	17	LONG. = 64 4 2.0	1.7
	Z = 416235	11	RAD. = 1734060.8	16.7

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A428B	X = 736133 Y = 1513928 Z = 416077	21 22 17	LAT. = 13 52 59.4 LONG. = 64 4 8.8 RAD. = 1734067.1	2.4 2.2 22.2
34253	X = 729330 Y = 1538131 Z = 347177	13 16 11	LAT. = 11 31 38.1 LONG. = 64 37 52.5 RAD. = 1737325.4	1.2 1.6 15.8
1776	X = 734290 Y = 1539227 Z = 326849	14 14 11	LAT. = 10 50 58.0 LONG. = 64 29 47.3 RAD. = 1736442.7	1.4 1.8 13.4
43728	X = 726766 Y = 1557292 Z = 249983	14 16 11	LAT. = 8 16 34.9 LONG. = 64 58 56.0 RAD. = 1736617.5	1.3 1.6 16.5
T4895	X = 683952 Y = 1521900 Z = 472285	14 16 11	LAT. = 15 48 16.1 LONG. = 65 48 1.9 RAD. = 1734076.9	1.4 1.7 16.1
34267	X = 694762 Y = 1521749 Z = 456879	14 16 12	LAT. = 15 16 32.8 LONG. = 65 27 38.5 RAD. = 1734114.2	1.4 1.7 16.3
34247	X = 687349 Y = 1535268 Z = 428178	13 17 12	LAT. = 14 16 52.4 LONG. = 65 52 53.9 RAD. = 1735751.4	1.4 1.7 16.2
T4899	X = 705593 Y = 1533316 Z = 413736	13 16 12	LAT. = 13 46 22.5 LONG. = 65 17 21.5 RAD. = 1737842.8	1.3 1.7 16.0
34249	X = 697201 Y = 1539844 Z = 398446	14 16 11	LAT. = 13 15 49.3 LONG. = 65 38 24.8 RAD. = 1736654.1	1.4 1.6 16.0
34232	X = 709606 Y = 1552478 Z = 317307	13 15 10	LAT. = 10 31 49.7 LONG. = 65 26 9.0 RAD. = 1736206.8	1.2 1.6 14.8
536	X = 703410 Y = 1557765 Z = 306596	16 15 17	LAT. = 10 10 10.0 LONG. = 65 41 54.3 RAD. = 1736496.3	1.7 2.0 14.1
A395A	X = 714380 Y = 1553921 Z = 296915	16 22 13	LAT. = 9 50 55.8 LONG. = 65 18 37.7 RAD. = 1735847.4	1.5 1.9 22.2

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

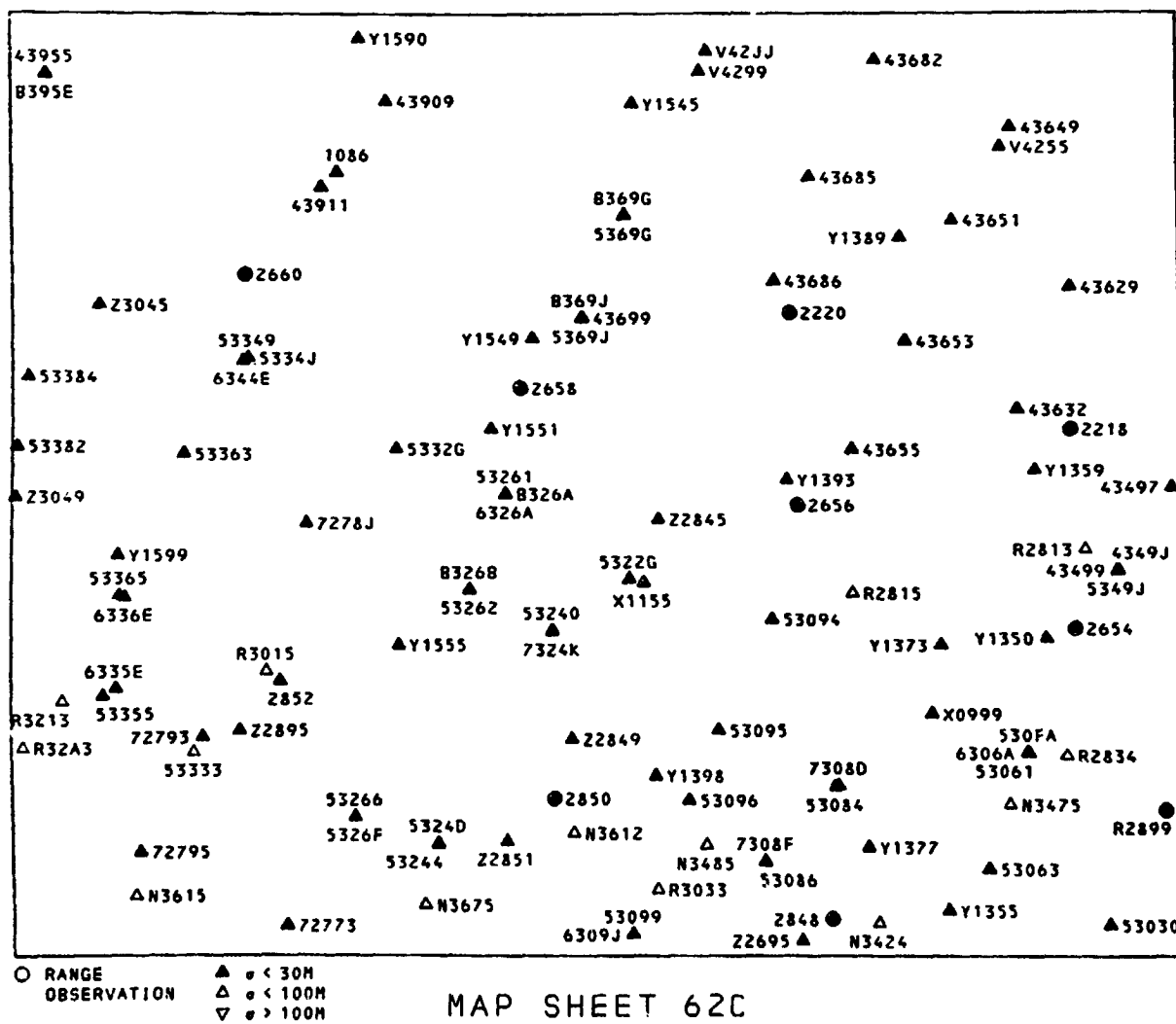
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3424C	X = 669323 Y = 1534302 Z = 452327	16 21 13	LAT. = 15 7 16.2 LONG. = 66 25 52.6 RAD. = 1733976.8	1.8 1.8 19.9
34243	X = 667753 Y = 1536216 Z = 447827	14 17 12	LAT. = 14 58 4.4 LONG. = 66 30 24.0 RAD. = 1733897.9	1.5 1.8 17.0
U474J	X = 680053 Y = 1546103 Z = 401362	15 19 12	LAT. = 13 22 1.2 LONG. = 66 15 27.8 RAD. = 1736087.2	1.4 1.7 19.5
1472	X = 678719 Y = 1548740 Z = 386648	14 14 12	LAT. = 12 52 47.3 LONG. = 66 20 6.2 RAD. = 1734575.3	1.4 1.7 13.4
A422G	X = 670533 Y = 1553728 Z = 378155	19 22 15	LAT. = 12 35 47.7 LONG. = 66 39 24.2 RAD. = 1733980.2	2.2 2.0 22.6
34227	X = 673077 Y = 1553171 Z = 375925	13 15 10	LAT. = 12 31 15.9 LONG. = 66 34 12.7 RAD. = 1733981.8	1.2 1.6 15.2
1774	X = 668217 Y = 1573467 Z = 306087	14 14 11	LAT. = 10 9 5.1 LONG. = 66 59 24.5 RAD. = 1736663.8	1.3 1.7 13.4
V4294	X = 675204 Y = 1569335 Z = 304868	15 19 13	LAT. = 10 7 4.5 LONG. = 66 43 12.9 RAD. = 1735412.6	1.5 1.9 19.4
34099	X = 674860 Y = 1575825 Z = 280199	12 15 10	LAT. = 9 16 59.1 LONG. = 66 48 59.7 RAD. = 1737000.3	1.2 1.6 14.6
B369C	X = 694188 Y = 1573030 Z = 245561	20 22 16	LAT. = 8 7 40.5 LONG. = 66 11 16.2 RAD. = 1736841.8	2.2 2.0 22.7
43693	X = 694115 Y = 1573008 Z = 245552	13 17 11	LAT. = 8 7 40.3 LONG. = 66 11 23.1 RAD. = 1736792.4	1.3 1.6 16.3
T488D	X = 652572 Y = 1537742 Z = 465023	17 21 14	LAT. = 15 33 21.6 LONG. = 67 0 18.2 RAD. = 1733997.6	2.0 1.8 20.0

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34095	X = 639454 Y = 1577039 Z = 341879	15 21 14	LAT. = 11 21 33.9 LONG. = 67 55 42.8 RAD. = 1735752.4	1.5 1.8 21.7
34097	X = 659674 Y = 1576351 Z = 310983	12 15 11	LAT. = 10 18 51.2 LONG. = 67 17 29.7 RAD. = 1736883.1	1.3 1.6 15.0
U459H	X = 641452 Y = 1585690 Z = 306777	14 19 16	LAT. = 10 10 3.9 LONG. = 67 58 31.5 RAD. = 1737810.5	1.7 1.7 19.6
V4283	X = 642734 Y = 1585457 Z = 298196	13 17 12	LAT. = 9 53 15.1 LONG. = 67 55 57.7 RAD. = 1736577.2	1.3 1.6 16.7
420	X = 604201 Y = 1555405 Z = 472129	14 15 13	LAT. = 15 47 54.6 LONG. = 68 46 16.4 RAD. = 1734141.8	1.5 1.8 14.4
T4851	X = 610670 Y = 1557567 Z = 456327	13 16 11	LAT. = 15 15 24.7 LONG. = 68 35 29.5 RAD. = 1734118.2	1.4 1.6 16.0
34090	X = 608691 Y = 1569110 Z = 416923	12 15 10	LAT. = 13 54 47.8 LONG. = 68 47 51.6 RAD. = 1733907.5	1.3 1.5 14.6
340J1	X = 625664 Y = 1570233 Z = 390265	14 19 19	LAT. = 13 0 3.5 LONG. = 68 16 30.2 RAD. = 1734760.3	2.0 1.8 20.1
U459C	X = 609106 Y = 1577020 Z = 387899	15 20 12	LAT. = 12 55 22.1 LONG. = 68 52 53.4 RAD. = 1734493.8	1.5 1.7 20.0
U459D	X = 613366 Y = 1579860 Z = 369126	14 20 12	LAT. = 12 17 14.8 LONG. = 68 46 54.3 RAD. = 1734482.3	1.4 1.7 20.0
34093	X = 635651 Y = 1574045 Z = 368897	13 16 10	LAT. = 12 15 37.5 LONG. = 68 0 34.3 RAD. = 1737168.5	1.3 1.5 15.6
V4267	X = 610574 Y = 1581165 Z = 368314	13 17 11	LAT. = 12 15 35.1 LONG. = 68 53 8.6 RAD. = 1734513.9	1.3 1.6 16.6

TERRAIN POINTS ON MAP SHEET 62B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1470	X = 613195 Y = 1580926 Z = 364840	14 14 12	LAT. = 12 8 33.2 LONG. = 68 48 .7 RAD. = 1734486.7	1.4 1.7 13.6
A407E	X = 623952 Y = 1595267 Z = 290345	17 20 13	LAT. = 9 37 12.8 LONG. = 68 38 17.5 RAD. = 1737381.0	1.5 1.8 21.4
34077	X = 641287 Y = 1592523 Z = 263592	12 15 10	LAT. = 8 43 44.0 LONG. = 68 3 57.7 RAD. = 1736911.4	1.1 1.5 15.2
U459K	X = 600440 Y = 1568181 Z = 432422	15 21 13	LAT. = 14 26 27.0 LONG. = 69 2 55.2 RAD. = 1733986.6	1.8 1.7 20.2
34071	X = 597033 Y = 1589852 Z = 352645	15 18 12	LAT. = 11 43 50.9 LONG. = 69 25 2.8 RAD. = 1734484.6	1.6 1.7 18.6
34051	X = 584412 Y = 1605453 Z = 310945	12 16 10	LAT. = 10 18 53.2 LONG. = 69 59 51.5 RAD. = 1736578.1	1.2 1.5 16.2
1772	X = 601684 Y = 1604716 Z = 283303	13 13 11	LAT. = 9 23 11.2 LONG. = 69 26 47.8 RAD. = 1737066.1	1.3 1.6 13.1
34053	X = 600048 Y = 1606586 Z = 279346	13 15 10	LAT. = 9 15 5.0 LONG. = 69 31 11.0 RAD. = 1737587.5	1.3 1.5 14.6
34055	X = 611366 Y = 1605646 Z = 254438	12 16 11	LAT. = 8 25 25.8 LONG. = 69 9 18.5 RAD. = 1736837.7	1.2 1.5 15.5



TERRAIN POINTS ON MAP SHEET 62C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43955	X = 853079 Y = 1495516 Z = 226329	15 22 19	LAT. = 7 29 20.1 LONG. = 60 17 54.6 RAD. = 1736530.7	2.0 2.1 21.6
8395E	X = 853046 Y = 1495541 Z = 226315	18 22 15	LAT. = 7 29 18.3 LONG. = 60 17 59.5 RAD. = 1736533.0	1.7 2.1 22.0
23045	X = 845179 Y = 1508671 Z = 167807	17 17 13	LAT. = 5 32 33.2 LONG. = 60 44 30.6 RAD. = 1737404.3	1.6 1.8 18.0
53384	X = 862093 Y = 1501289 Z = 149512	14 15 10	LAT. = 4 56 9.5 LONG. = 60 8 2.5 RAD. = 1737650.0	1.2 1.7 15.1
53382	X = 865168 Y = 1501003 Z = 131523	16 17 11	LAT. = 4 20 28.7 LONG. = 60 2 28.1 RAD. = 1737476.5	1.3 1.8 17.6
23049	X = 865586 Y = 1501098 Z = 118479	16 18 11	LAT. = 3 54 41.5 LONG. = 60 1 50.6 RAD. = 1736828.1	1.3 1.8 18.1
Y1599	X = 842946 Y = 1514278 Z = 103346	14 20 11	LAT. = 3 24 45.2 LONG. = 60 53 48.6 RAD. = 1736167.0	1.3 1.9 18.7
53365	X = 842492 Y = 1514444 Z = 92995	15 21 11	LAT. = 3 4 17.8 LONG. = 60 54 45.4 RAD. = 1735505.9	1.3 1.8 20.2
6336E	X = 841429 Y = 1515211 Z = 92555	18 21 13	LAT. = 3 3 24.6 LONG. = 60 57 20.3 RAD. = 1735635.9	1.5 2.0 22.8
6335E	X = 844080 Y = 1515331 Z = 69152	18 21 13	LAT. = 2 16 58.9 LONG. = 60 52 51.6 RAD. = 1735938.1	1.5 1.9 22.7
53355	X = 846848 Y = 1513536 Z = 67239	15 20 13	LAT. = 2 13 12.8 LONG. = 60 46 20.2 RAD. = 1735644.6	1.5 1.8 20.5
R3213	X = 855418 Y = 1507904 Z = 65866	28 39 35	LAT. = 2 10 32.8 LONG. = 60 26 3.1 RAD. = 1734892.7	4.3 2.9 40.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R32A3	X = 864496 Y = 1503373 Z = 53890	53 61 55	LAT. = 1 46 47.6 LONG. = 60 5 58.1 RAD. = 1735047.3	6.8 3.6 73.5
2660	X = 811746 Y = 1525774 Z = 175483	15 17 12	LAT. = 5 47 52.0 LONG. = 61 59 9.7 RAD. = 1737156.8	1.5 1.9 16.0
6344E	X = 813664 Y = 1528171 Z = 153419	21 20 17	LAT. = 5 3 50.7 LONG. = 61 58 2.1 RAD. = 1738071.9	2.1 2.1 22.2
53363	X = 827234 Y = 1520764 Z = 129334	15 16 10	LAT. = 4 16 21.1 LONG. = 61 27 20.2 RAD. = 1736020.5	1.2 1.7 17.0
22895	X = 816246 Y = 1530384 Z = 58119	15 19 11	LAT. = 1 55 9.1 LONG. = 61 55 34.8 RAD. = 1735428.3	1.3 1.8 18.6
72793	X = 824723 Y = 1526079 Z = 56562	16 20 11	LAT. = 1 52 3.2 LONG. = 61 36 44.5 RAD. = 1735593.4	1.3 1.8 21.4
53333	X = 826723 Y = 1525088 Z = 52644	17 42 28	LAT. = 1 44 17.5 LONG. = 61 32 19.3 RAD. = 1735550.7	3.2 3.0 38.6
72795	X = 839410 Y = 1519336 Z = 26855	15 21 12	LAT. = 0 53 10.9 LONG. = 61 4 48.1 RAD. = 1736004.7	1.4 1.8 21.2
N3615	X = 840217 Y = 1518347 Z = 15481	22 35 26	LAT. = 0 30 40.1 LONG. = 61 2 27.2 RAD. = 1735391.1	3.1 2.8 34.2
Y1590	X = 781429 Y = 1531687 Z = 235361	19 30 20	LAT. = 7 47 38.6 LONG. = 62 58 13.6 RAD. = 1735538.3	2.8 1.9 29.4
1086	X = 788891 Y = 1533304 Z = 201253	17 21 13	LAT. = 6 39 25.3 LONG. = 62 46 26.4 RAD. = 1736051.3	1.5 1.9 22.0
43911	X = 793091 Y = 1532850 Z = 197605	13 15 10	LAT. = 6 31 54.1 LONG. = 62 38 35.2 RAD. = 1737144.7	1.2 1.6 14.4

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53349	X = 812506 Y = 1528680 Z = 154134	13 14 9	LAT. = 5 5 16.1 LONG. = 62 0 32.4 RAD. = 1738040.9	1.1 1.6 13.8
5334J	X = 812491 Y = 1528677 Z = 154076	18 22 14	LAT. = 5 5 9.5 LONG. = 62 0 33.8 RAD. = 1738025.8	1.7 2.1 21.9
7278J	X = 800043 Y = 1537210 Z = 111400	21 21 16	LAT. = 3 40 41.3 LONG. = 62 30 18.8 RAD. = 1736517.2	2.0 2.1 23.4
R3015	X = 809685 Y = 1533030 Z = 73332	25 42 32	LAT. = 2 25 19.3 LONG. = 62 9 31.6 RAD. = 1735265.9	4.0 3.1 40.2
2852	X = 806625 Y = 1534705 Z = 70752	15 18 11	LAT. = 2 20 12.6 LONG. = 62 16 26.6 RAD. = 1735214.0	1.3 1.8 18.6
53266	X = 790191 Y = 1544951 Z = 35574	18 26 13	LAT. = 1 10 27.9 LONG. = 62 54 42.4 RAD. = 1735666.9	1.6 1.9 26.7
5326F	X = 790124 Y = 1544816 Z = 35570	18 46 24	LAT. = 1 10 27.7 LONG. = 62 54 44.9 RAD. = 1735561.1	2.8 3.7 38.7
72773	X = 806243 Y = 1537301 Z = 7678	14 23 12	LAT. = 0 15 12.3 LONG. = 62 19 30.3 RAD. = 1735909.3	1.4 1.8 22.2
43909	X = 776291 Y = 1536636 Z = 219306	13 14 9	LAT. = 7 15 34.4 LONG. = 63 11 51.4 RAD. = 1735503.7	1.1 1.6 14.0
5332G	X = 779003 Y = 1547813 Z = 130475	16 17 13	LAT. = 4 18 21.9 LONG. = 63 17 3.1 RAD. = 1737698.2	1.6 1.8 18.3
8326B	X = 762269 Y = 1556343 Z = 94036	15 24 19	LAT. = 3 6 21.4 LONG. = 63 54 18.8 RAD. = 1735540.4	2.1 2.0 23.1
53262	X = 762236 Y = 1556495 Z = 94033	14 17 11	LAT. = 3 6 20.3 LONG. = 63 54 30.3 RAD. = 1735662.0	1.3 1.7 16.8

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1555	X = 779604 Y = 1549506 Z = 79912	13 16 10	LAT. = 2 38 16.0 LONG. = 63 17 29.8 RAD. = 1736414.7	1.2 1.6 15.5
53240	X = 771091 Y = 1554986 Z = 28737	16 43 25	LAT. = 0 56 54.8 LONG. = 63 37 26.2 RAD. = 1735911.2	2.9 3.0 38.0
53244	X = 771048 Y = 1555037 Z = 28606	16 21 12	LAT. = 0 56 39.1 LONG. = 63 37 33.5 RAD. = 1735936.2	1.4 1.8 21.0
N3675	X = 774057 Y = 1553460 Z = 12996	25 39 30	LAT. = 0 25 44.4 LONG. = 63 30 50.0 RAD. = 1735675.9	3.5 2.9 39.0
B369J	X = 734143 Y = 1566170 Z = 163969	16 40 14	LAT. = 5 24 54.9 LONG. = 64 53 6.5 RAD. = 1737451.7	1.7 2.5 37.4
43699	X = 734029 Y = 1566486 Z = 163939	15 22 18	LAT. = 5 24 48.7 LONG. = 64 53 34.8 RAD. = 1737685.9	2.0 2.0 21.6
5369J	X = 734101 Y = 1566396 Z = 163808	18 22 15	LAT. = 5 24 33.8 LONG. = 64 53 22.5 RAD. = 1737622.8	1.9 1.9 22.4
Y1549	X = 745777 Y = 1560893 Z = 158663	15 18 11	LAT. = 5 14 25.4 LONG. = 64 27 43.4 RAD. = 1737165.4	1.3 1.7 18.3
2658	X = 748986 Y = 1560258 Z = 145939	14 14 11	LAT. = 4 49 11.8 LONG. = 64 21 25.7 RAD. = 1736859.6	1.3 1.7 13.7
Y1551	X = 756484 Y = 1557694 Z = 135382	13 15 10	LAT. = 4 28 13.1 LONG. = 64 5 48.4 RAD. = 1736953.8	1.2 1.6 15.2
53261	X = 753720 Y = 1560792 Z = 118797	16 22 12	LAT. = 3 55 15.2 LONG. = 64 13 25.3 RAD. = 1737319.5	1.5 1.9 22.6
B326A	X = 753655 Y = 1560789 Z = 118792	16 42 20	LAT. = 3 55 14.9 LONG. = 64 13 32.2 RAD. = 1737288.2	2.1 3.0 37.6

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
6326A	X = 753790 Y = 1560821 Z = 118663	21 20 17	LAT. = 3 54 59.0 LONG. = 64 13 19.3 RAD. = 1737366.6	2.1 2.0 22.6
53240	X = 743014 Y = 1566039 Z = 83464	13 17 10	LAT. = 2 45 24.3 LONG. = 64 37 4.0 RAD. = 1735371.8	1.2 1.7 16.9
7324K	X = 743055 Y = 1566209 Z = 83162	21 21 19	LAT. = 2 44 47.5 LONG. = 64 37 8.3 RAD. = 1735527.9	2.3 2.2 23.2
Z2849	X = 738943 Y = 1569187 Z = 55507	15 18 11	LAT. = 1 49 58.7 LONG. = 64 47 1.9 RAD. = 1735357.1	1.3 1.7 18.2
2850	X = 743544 Y = 1567695 Z = 40305	14 14 11	LAT. = 1 19 50.5 LONG. = 64 37 31.6 RAD. = 1735554.5	1.3 1.7 13.4
N3612	X = 739067 Y = 1570229 Z = 31450	20 32 20	LAT. = 1 2 17.5 LONG. = 64 47 41.3 RAD. = 1735750.3	2.4 2.4 31.6
Z2851	X = 754802 Y = 1562554 Z = 29298	14 18 11	LAT. = 0 58 2.2 LONG. = 64 13 .6 RAD. = 1735557.2	1.3 1.7 18.2
V42JJ	X = 701125 Y = 1572886 Z = 232158	14 19 16	LAT. = 7 40 40.5 LONG. = 65 58 29.1 RAD. = 1737654.3	1.8 1.8 19.3
V4299	X = 702617 Y = 1571780 Z = 226831	15 19 18	LAT. = 7 30 19.8 LONG. = 65 54 51.9 RAD. = 1736552.6	2.0 1.9 19.5
Y1545	X = 719144 Y = 1565795 Z = 218663	16 18 14	LAT. = 7 13 56.9 LONG. = 65 19 53.2 RAD. = 1736863.8	1.8 1.8 18.6
B369G	X = 722462 Y = 1567659 Z = 190099	18 22 14	LAT. = 6 17 4.9 LONG. = 65 15 25.9 RAD. = 1736560.6	1.8 2.1 22.8
5369G	X = 722506 Y = 1567768 Z = 189959	21 39 32	LAT. = 6 16 46.8 LONG. = 65 15 26.6 RAD. = 1736662.4	4.2 2.1 37.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22845	X = 717277 Y = 1576751 Z = 112093	16 17 13	LAT. = 3 42 8.9 LONG. = 65 32 19.7 RAD. = 1735855.3	1.7 1.7 18.1
5322G	X = 724545 Y = 1574082 Z = 96646	15 18 12	LAT. = 3 11 32.2 LONG. = 65 17 .7 RAD. = 1735523.0	1.5 1.7 18.1
X1155	X = 721158 Y = 1575680 Z = 95742	16 34 19	LAT. = 3 9 44.7 LONG. = 65 24 26.4 RAD. = 1735511.9	2.2 2.8 29.1
Y1398	X = 719470 Y = 1578782 Z = 46175	13 16 10	LAT. = 1 31 28.3 LONG. = 65 30 2.5 RAD. = 1735604.0	1.2 1.6 15.2
53096	X = 711716 Y = 1582517 Z = 39828	13 16 10	LAT. = 1 18 53.6 LONG. = 65 47 5.3 RAD. = 1735651.8	1.2 1.6 15.3
N3485	X = 707771 Y = 1584697 Z = 28317	24 38 30	LAT. = 0 56 5.1 LONG. = 65 55 59.2 RAD. = 1735801.0	3.6 2.9 37.9
R3033	X = 719434 Y = 1579656 Z = 17015	22 30 18	LAT. = 0 33 41.8 LONG. = 65 30 49.3 RAD. = 1735853.4	2.2 2.3 31.8
53099	X = 725437 Y = 1576990 Z = 5605	13 16 10	LAT. = 0 11 6.0 LONG. = 65 17 49.0 RAD. = 1735853.7	1.2 1.6 16.1
6309J	X = 725293 Y = 1577129 Z = 5489	31 32 16	LAT. = 0 10 52.2 LONG. = 65 18 11.4 RAD. = 1735919.5	1.9 2.5 38.8
43685	X = 678017 Y = 1586193 Z = 199807	12 14 9	LAT. = 6 36 25.3 LONG. = 66 51 20.7 RAD. = 1736559.0	1.1 1.4 13.4
43686	X = 687733 Y = 1584986 Z = 173181	12 16 9	LAT. = 5 43 26.0 LONG. = 66 32 37.5 RAD. = 1736418.5	1.1 1.5 15.3
2220	X = 684525 Y = 1587897 Z = 165189	14 15 12	LAT. = 5 27 25.2 LONG. = 66 40 46.8 RAD. = 1737031.6	1.4 1.7 14.1

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1393	X = 686666 Y = 1590125 Z = 122200	12 16 10	LAT. = 4 2 8.4 LONG. = 66 38 37.6 RAD. = 1736358.8	1.1 1.5 16.0
2656	X = 684249 Y = 1591630 Z = 115737	13 13 11	LAT. = 3 49 19.0 LONG. = 66 44 12.9 RAD. = 1736340.5	1.3 1.6 13.1
53094	X = 691261 Y = 1590322 Z = 86314	12 15 10	LAT. = 2 50 53.4 LONG. = 66 30 25.2 RAD. = 1736207.3	1.1 1.5 14.2
53095	X = 704459 Y = 1585268 Z = 57820	12 14 9	LAT. = 1 54 32.4 LONG. = 66 2 26.4 RAD. = 1735707.9	1.0 1.5 13.4
7308F	X = 693900 Y = 1591070 Z = 24244	19 21 15	LAT. = 0 48 LONG. = 66 26 15.1 RAD. = 1735969.3	1.8 1.9 23.2
53086	X = 693792 Y = 1591164 Z = 24121	30 49 23	LAT. = 0 47 46.1 LONG. = 66 26 29.2 RAD. = 1736009.9	2.8 2.7 52.9
22695	X = 686114 Y = 1597040 Z = 3873	14 17 10	LAT. = 0 7 39.6 LONG. = 66 45 3.1 RAD. = 1738189.9	1.2 1.6 17.3
43082	X = 660718 Y = 1589699 Z = 229849	12 14 9	LAT. = 7 36 17.2 LONG. = 67 25 51.7 RAD. = 1736813.2	1.1 1.5 14.2
Y1389	X = 657397 Y = 1597337 Z = 184361	15 17 13	LAT. = 6 5 32.1 LONG. = 67 37 47.9 RAD. = 1737137.3	1.7 1.7 17.9
43653	X = 657356 Y = 1600554 Z = 157822	12 15 9	LAT. = 5 12 41.8 LONG. = 67 40 18.4 RAD. = 1737468.8	1.1 1.5 14.3
43655	X = 670924 Y = 1596697 Z = 129985	13 18 10	LAT. = 4 17 31.7 LONG. = 67 12 29.1 RAD. = 1736800.3	1.3 1.6 17.0
R2815	X = 671937 Y = 1598810 Z = 93095	23 37 29	LAT. = 3 4 21.6 LONG. = 67 12 15.4 RAD. = 1736767.4	3.6 2.7 36.8

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

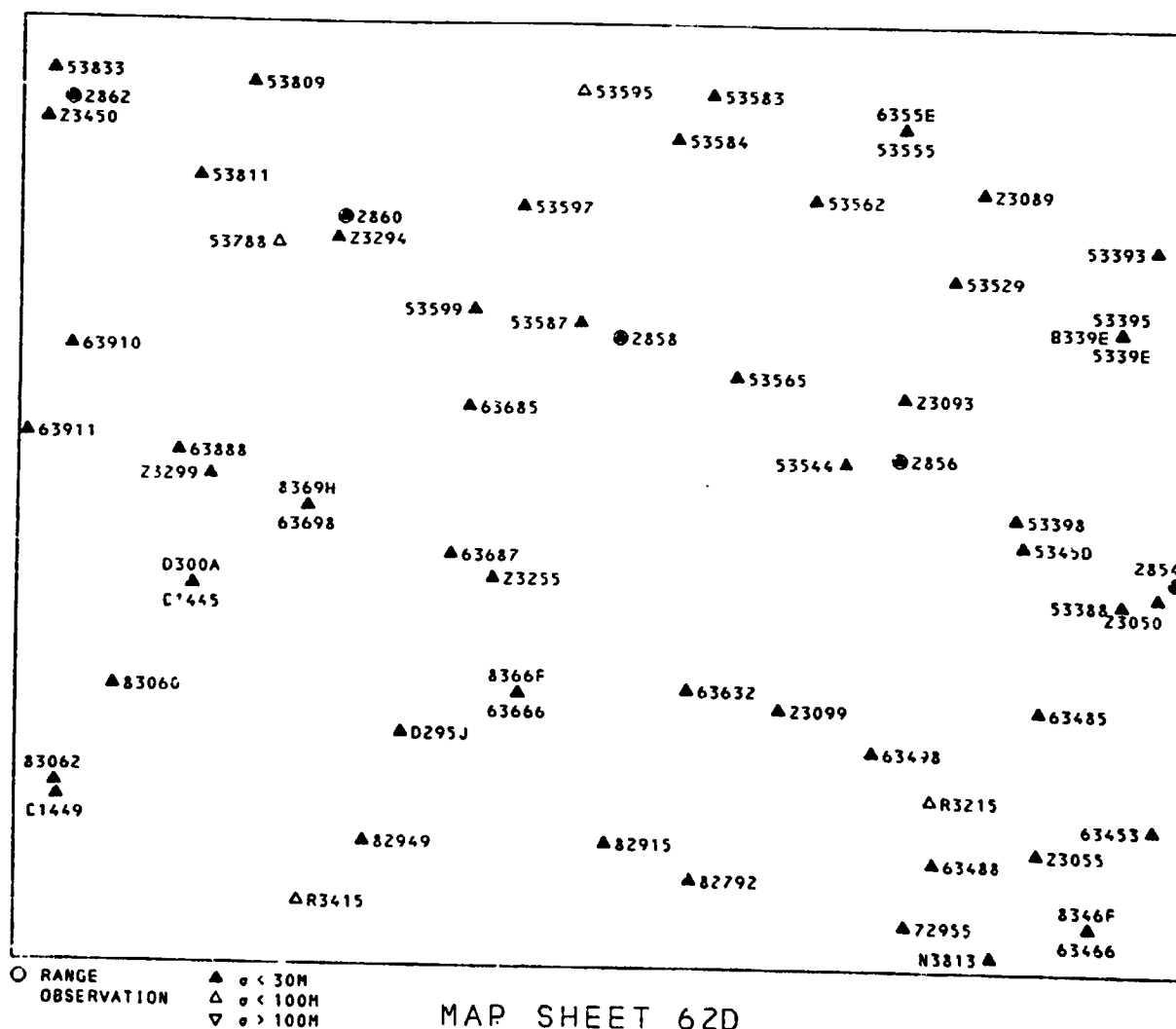
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1373	X = 651346 Y = 1607977 Z = 79721	12 14 9	LAT. = 2 37 51.5 LONG. = 67 56 54.7 RAD. = 1736720.7	1.0 1.4 13.2
X0999	X = 653805 Y = 1607817 Z = 62009	13 19 14	LAT. = 2 2 46.0 LONG. = 67 52 16.7 RAD. = 1736773.3	1.6 1.7 18.0
73081	X = 676412 Y = 1598952 Z = 43634	21 21 17	LAT. = 1 26 22.9 LONG. = 67 4 11.8 RAD. = 1736687.5	2.1 2.0 23.1
53084	X = 677340 Y = 1598743 Z = 43288	13 17 10	LAT. = 1 25 41.3 LONG. = 67 2 20.7 RAD. = 1736848.1	1.2 1.6 16.3
Y1371	X = 669514 Y = 1602308 Z = 27825	12 15 9	LAT. = 0 55 4.7 LONG. = 67 19 21.7 RAD. = 1736782.8	1.1 1.5 14.7
Y1355	X = 650471 Y = 1609368 Z = 11618	12 15 10	LAT. = 0 23 .5 LONG. = 67 59 33.2 RAD. = 1735889.8	1.2 1.5 14.9
2848	X = 678754 Y = 1599357 Z = 9456	13 14 10	LAT. = 0 18 42.6 LONG. = 67 0 14.5 RAD. = 1737451.9	1.2 1.6 13.2
N3424	X = 666946 Y = 1602630 Z = 8382	20 30 17	LAT. = 0 16 36.0 LONG. = 67 24 18.1 RAD. = 1735888.5	2.0 2.3 30.3
43649	X = 629609 Y = 1604733 Z = 212503	12 14 9	LAT. = 7 1 39.5 LONG. = 68 34 39.7 RAD. = 1736874.7	1.1 1.5 14.3
Y4255	X = 632156 Y = 1604399 Z = 207486	13 19 16	LAT. = 6 51 39.1 LONG. = 68 29 41.5 RAD. = 1736884.3	1.8 1.7 19.3
43651	X = 644580 Y = 1601743 Z = 188816	12 15 10	LAT. = 6 14 27.6 LONG. = 68 4 44.2 RAD. = 1736869.4	1.1 1.5 15.7
43632	X = 631191 Y = 1612141 Z = 140354	13 15 0	LAT. = 4 38 5.1 LONG. = 68 37 6.5 RAD. = 1736980.4	1.2 1.5 15.6

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1359	X = 627638 Y = 1614511 Z = 124779	13 16 9	LAT. = 4 7 12.5 LONG. = 68 45 23.4 RAD. = 1736704.7	1.1 1.5 15.9
Y1350	X = 626206 Y = 1618207 Z = 81492	13 18 10	LAT. = 2 41 20.2 LONG. = 68 50 41.3 RAD. = 1737057.7	1.2 1.6 17.7
530FA	X = 631529 Y = 1617995 Z = 52200	14 30 20	LAT. = 1 43 17.2 LONG. = 68 40 42.6 RAD. = 1737659.6	2.3 2.1 27.8
6306A	X = 631642 Y = 1618022 Z = 52091	22 37 32	LAT. = 1 43 4.0 LONG. = 68 40 31.3 RAD. = 1737723.1	4.0 2.0 38.8
53061	X = 631337 Y = 1618023 Z = 51990	14 22 15	LAT. = 1 42 52.5 LONG. = 68 41 5.0 RAD. = 1737609.9	1.8 1.8 21.7
N3475	X = 635682 Y = 1615582 Z = 38752	24 38 29	LAT. = 1 16 43.3 LONG. = 68 31 18.7 RAD. = 1736577.2	3.5 2.8 37.7
53063	X = 640842 Y = 1613789 Z = 22254	14 17 11	LAT. = 0 44 3.4 LONG. = 68 20 30.4 RAD. = 1736515.8	1.3 1.6 17.7
43629	X = 617559 Y = 1614462 Z = 171763	12 15 10	LAT. = 5 40 29.2 LONG. = 69 4 2.3 RAD. = 1737057.6	1.2 1.5 15.2
2218	X = 619003 Y = 1617724 Z = 135398	13 13 11	LAT. = 4 28 10.9 LONG. = 69 3 40.5 RAD. = 1737390.7	1.3 1.6 12.9
43497	X = 594062 Y = 1625445 Z = 120328	12 16 9	LAT. = 3 58 38.5 LONG. = 69 55 25.8 RAD. = 1734779.1	1.1 1.4 15.5
R28.7	X = 615970 Y = 1620091 Z = 104385	22 39 29	LAT. = 3 26 47.5 LONG. = 69 10 58.2 RAD. = 1736378.2	3.6 2.8 37.0
4349J	X = 608452 Y = 1623693 Z = 99043	14 17 11	LAT. = 3 16 9.1 LONG. = 69 27 26.4 RAD. = 1736779.0	1.3 1.6 17.7

TERRAIN POINTS ON MAP SHEET 62C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43499	X = 608546 Y = 1623595 Z = 99013	11 15 9	LAT. = 3 16 5.8 LONG. = 69 27 11.8 RAD. = 1736718.7	1.1 1.4 14.6
5349J	X = 608696 Y = 1623584 Z = 98948	17 22 15	LAT. = 3 15 57.9 LONG. = 69 26 54.7 RAD. = 1736757.0	1.9 1.8 22.4
2654	X = 619044 Y = 1620255 Z = 84029	13 13 10	LAT. = 2 46 24.9 LONG. = 69 5 23.4 RAD. = 1736520.0	1.2 1.6 12.8
R2834	X = 622401 Y = 1622000 Z = 51415	29 48 26	LAT. = 1 41 42.6 LONG. = 69 0 25.0 RAD. = 1738076.7	3.2 2.6 50.9
R2899	X = 598879 Y = 1631093 Z = 37492	21 19 20	LAT. = 1 14 10.0 LONG. = 69 50 18.9 RAD. = 1737965.7	2.3 2.6 17.8
53030	X = 612419 Y = 1625273 Z = 7942	14 16 12	LAT. = 0 15 43.2 LONG. = 69 21 11.1 RAD. = 1736845.2	1.4 1.7 15.9



TERRAIN POINTS ON MAP SHEET 62D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53833	X = 1099914	17	LAT. = 7 33 31.5	1.4
	Y = 1323186	18	LONG. = 50 15 52.4	2.1
	Z = 228323	12	RAD. = 1735731.4	18.6
2862	X = 1096751	16	LAT. = 7 19 7.0	1.4
	Y = 1326798	15	LONG. = 50 25 20.4	2.1
	Z = 221086	11	RAD. = 1735550.5	14.5
23450	X = 1101890	18	LAT. = 7 9 4.7	1.4
	Y = 1323016	18	LONG. = 50 12 37.3	2.1
	Z = 216025	12	RAD. = 1735281.0	18.9
63910	X = 1100357	16	LAT. = 5 14 4.8	1.5
	Y = 1332133	20	LONG. = 50 26 34.5	2.1
	Z = 158298	13	RAD. = 1735057.0	19.7
63911	X = 1110424	16	LAT. = 4 29 20.1	1.3
	Y = 1326721	16	LONG. = 50 4 18.2	2.0
	Z = 135825	11	RAD. = 1735418.6	15.4
83060	X = 1094817	21	LAT. = 2 21 8.7	1.7
	Y = 1343973	23	LONG. = 50 49 59.9	2.2
	Z = 71211	14	RAD. = 1734923.6	24.7
83062	X = 1106925	20	LAT. = 1 31 14.1	1.6
	Y = 1335217	24	LONG. = 50 20 25.7	2.2
	Z = 46040	14	RAD. = 1734994.9	24.6
C1449	X = 1106554	18	LAT. = 1 24 20.4	1.4
	Y = 1335685	19	LONG. = 50 21 35.3	2.0
	Z = 42562	12	RAD. = 1735029.0	19.5
53809	X = 1060083	18	LAT. = 7 28 29.0	1.4
	Y = 1356321	17	LONG. = 51 59 21.4	2.0
	Z = 225860	12	RAD. = 1736201.3	18.5
53811	X = 1072362	16	LAT. = 6 40 36.4	1.2
	Y = 1349630	16	LONG. = 51 31 50.7	1.9
	Z = 201791	10	RAD. = 1735563.5	16.1
63888	X = 1080009	17	LAT. = 4 20 26.0	1.7
	Y = 1351700	21	LONG. = 51 22 30.5	2.1
	Z = 131524	15	RAD. = 1735153.1	21.1
23299	X = 1073732	16	LAT. = 4 8 36.5	1.7
	Y = 1357220	20	LONG. = 51 39 5.6	2.1
	Z = 125370	15	RAD. = 1735126.3	19.1

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D300A	X = 1078115 Y = 1355787 Z = 97176	26 20 18	LAT. = 3 12 39.4 LONG. = 51 30 30.5 RAD. = 1734916.2	2.3 2.5 24.6
C1445	X = 1078160 Y = 1355801 Z = 97153	30 19 15	LAT. = 3 12 36.4 LONG. = 51 30 27.3 RAD. = 1734954.1	1.8 2.7 27.7
2860	X = 1043352 Y = 1373974 Z = 191721	16 15 11	LAT. = 6 20 28.2 LONG. = 52 47 17.3 RAD. = 1735841.3	1.3 2.0 14.2
Z3294	X = 1044941 Y = 1373235 Z = 186269	17 18 11	LAT. = 6 9 39.3 LONG. = 52 43 52.6 RAD. = 1735618.6	1.3 2.0 18.9
53783	X = 1057257 Y = 1363869 Z = 184850	18 40 30	LAT. = 6 6 50.7 LONG. = 52 13 3.1 RAD. = 1735540.7	3.2 3.1 37.4
8369H	X = 1053968 Y = 1373348 Z = 117463	34 33 29	LAT. = 3 52 54.1 LONG. = 52 29 44.8 RAD. = 1735145.5	3.7 2.4 41.0
63698	X = 1053930 Y = 1373355 Z = 117443	15 20 13	LAT. = 3 52 51.9 LONG. = 52 29 48.9 RAD. = 1735126.4	1.1 2.0 19.0
82949	X = 1044046 Y = 1385369 Z = 31661	20 20 13	LAT. = 1 2 44.2 LONG. = 52 59 51.0 RAD. = 1735016.4	1.6 2.1 22.0
R3415	X = 1057733 Y = 1375276 Z = 16143	27 36 31	LAT. = 0 31 59.1 LONG. = 52 26 9.2 RAD. = 1735063.4	3.7 3.1 30.2
53599	X = 1017269 Y = 1396045 Z = 168393	16 18 12	LAT. = 5 34 4.5 LONG. = 53 55 11.9 RAD. = 1735549.9	1.3 1.9 18.2
63685	X = 1019528 Y = 1397252 Z = 143565	17 29 12	LAT. = 4 44 41.2 LONG. = 53 52 58.9 RAD. = 1735615.9	1.4 2.3 27.5
63687	X = 1024633 Y = 1396620 Z = 105606	16 16 11	LAT. = 3 29 19.9 LONG. = 53 44 3.4 RAD. = 1735388.9	1.3 1.9 16.3

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D295J	X = 1035810 Y = 1390623 Z = 59648	25 21 20	LAT. = 1 58 12.6 LONG. = 53 19 9.4 RAD. = 1735019.3	2.4 2.5 24.6
53595	X = 991519 Y = 1407356 Z = 224580	19 41 15	LAT. = 7 25 56.5 LONG. = 54 50 3.5 RAD. = 1736144.4	1.7 2.9 38.3
53597	X = 1006223 Y = 1402040 Z = 194966	16 17 11	LAT. = 6 26 44.3 LONG. = 54 20 .8 RAD. = 1736724.6	1.2 1.9 16.8
53587	X = 995487 Y = 1412972 Z = 165359	16 17 11	LAT. = 5 27 53.4 LONG. = 54 50 2.4 RAD. = 1736325.8	1.2 1.9 17.5
Z3255	X = 1015924 Y = 1403331 Z = 99626	16 19 14	LAT. = 3 17 28.2 LONG. = 54 5 52.1 RAD. = 1735328.4	1.6 2.0 18.7
8366F	X = 1011124 Y = 1408285 Z = 70104	45 26 19	LAT. = 2 18 56.1 LONG. = 54 19 20.4 RAD. = 1735094.7	2.3 3.6 42.1
63666	X = 1011122 Y = 1408258 Z = 70092	18 27 22	LAT. = 2 18 54.8 LONG. = 54 19 18.6 RAD. = 1735071.1	2.5 2.1 27.1
53583	X = 963575 Y = 1426368 Z = 223643	16 16 11	LAT. = 7 24 9.5 LONG. = 55 57 33.2 RAD. = 1735804.8	1.4 1.8 16.3
53584	X = 971499 Y = 1421989 Z = 212189	15 15 10	LAT. = 7 1 26.6 LONG. = 55 39 33.1 RAD. = 1735190.8	1.2 1.8 14.5
2858	X = 987000 Y = 1418739 Z = 161728	16 15 11	LAT. = 5 20 45.5 LONG. = 55 10 26.9 RAD. = 1735841.1	1.3 1.9 14.0
63632	X = 975285 Y = 1433413 Z = 71268	15 19 13	LAT. = 2 21 14.0 LONG. = 55 46 8.0 RAD. = 1735203.6	1.5 1.9 18.5
82915	X = 993129 Y = 1422215 Z = 31853	26 22 16	LAT. = 1 3 7.1 LONG. = 55 4 24.7 RAD. = 1734939.8	2.0 2.3 27.8

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82792	X = 975116 Y = 1434947 Z = 22623	18 18 14	LAT. = 0 44 49.5 LONG. = 55 48 7.2 RAD. = 1735060.9	1.6 2.0 18.9
53562	X = 943494 Y = 1444014 Z = 197034	14 15 10	LAT. = 6 30 59.5 LONG. = 56 50 24.3 RAD. = 1736139.3	1.2 1.8 14.5
53565	X = 962733 Y = 1436932 Z = 151733	15 17 10	LAT. = 5 0 48.4 LONG. = 56 10 41.6 RAD. = 1736274.8	1.2 1.8 16.9
Z3099	X = 955753 Y = 1446806 Z = 66483	15 19 14	LAT. = 2 11 44.6 LONG. = 56 33 5.2 RAD. = 1735261.2	1.6 2.0 18.7
6355E	X = 922819 Y = 1454835 Z = 215577	45 24 20	LAT. = 7 7 56.4 LONG. = 57 36 45.2 RAD. = 1736264.3	2.8 3.8 38.2
53555	X = 922809 Y = 1454879 Z = 215550	19 22 13	LAT. = 7 7 52.8 LONG. = 57 36 49.0 RAD. = 1736292.2	1.5 2.0 23.4
Z3093	X = 926837 Y = 1461219 Z = 146749	16 18 11	LAT. = 4 50 51.1 LONG. = 57 36 48.4 RAD. = 1736583.6	1.3 1.9 18.1
2856	X = 928186 Y = 1461123 Z = 131248	15 14 11	LAT. = 4 20 9.5 LONG. = 57 34 26.6 RAD. = 1735983.0	1.3 1.9 13.7
53544	X = 940044 Y = 1453917 Z = 129949	15 17 11	LAT. = 4 17 32.5 LONG. = 57 6 53.7 RAD. = 1736215.5	1.2 1.8 17.3
63498	X = 935444 Y = 1460003 Z = 55833	15 19 12	LAT. = 1 50 39.3 LONG. = 57 21 6.3 RAD. = 1734871.9	1.4 1.8 18.6
R3215	X = 923039 Y = 1468182 Z = 43692	27 37 31	LAT. = 1 26 35.5 LONG. = 57 50 33.4 RAD. = 1734781.6	3.8 3.0 38.2
63488	X = 922716 Y = 1469003 Z = 27569	15 16 11	LAT. = 0 54 37.8 LONG. = 57 51 57.9 RAD. = 1734974.4	1.3 1.8 15.4

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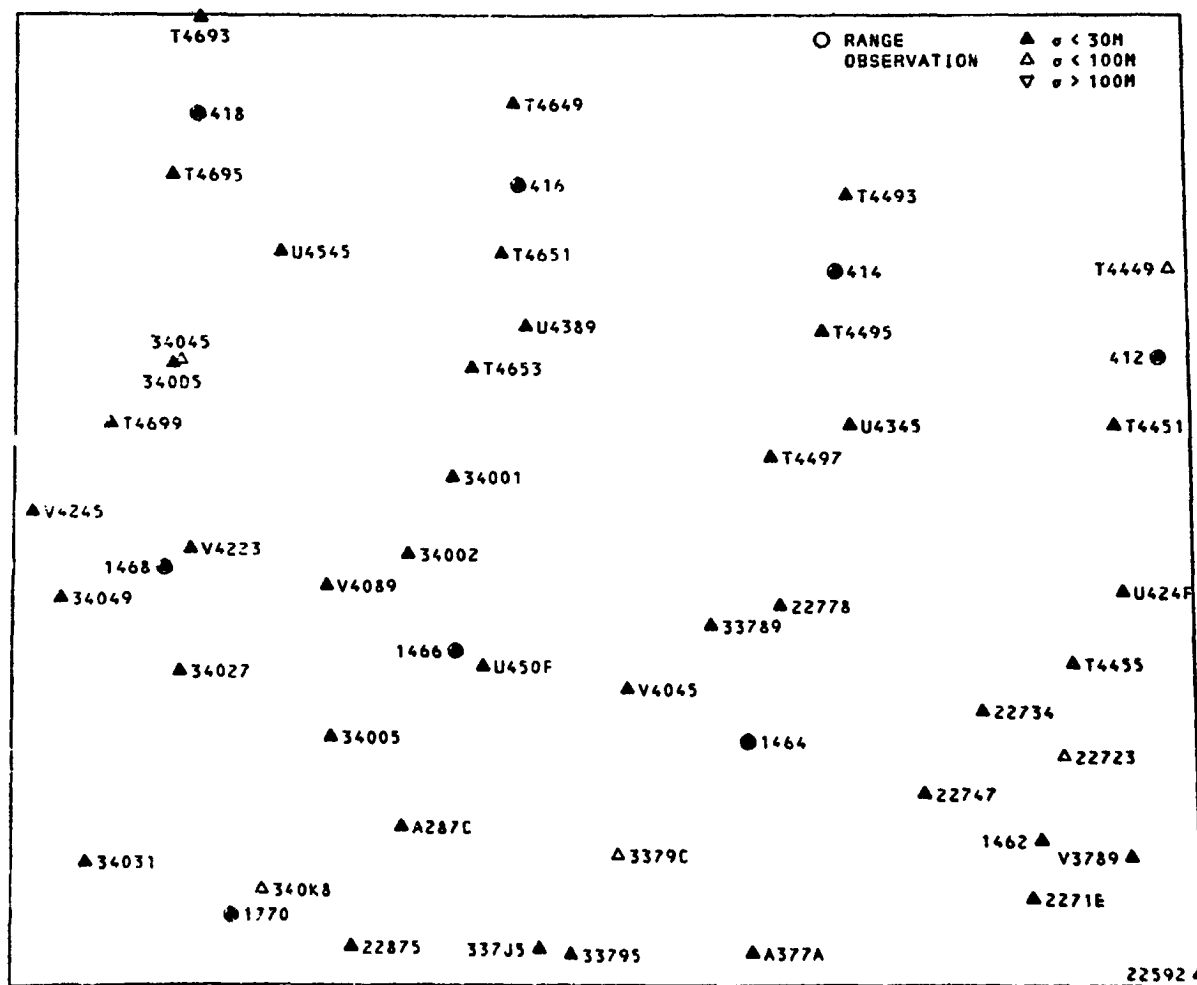
TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72955	X = 928891 Y = 1465369 Z = 11468	16 24 18	LAT. = 0 22 43.4 LONG. = 57 37 46.4 RAD. = 1735014.7	2.2 2.2 22.4
23089	X = 906401 Y = 1466744 Z = 199230	17 18 13	LAT. = 6 35 28.3 LONG. = 58 17 7.0 RAD. = 1735682.4	1.7 1.9 18.7
53529	X = 914298 Y = 1465260 Z = 176973	14 15 9	LAT. = 5 51 1.9 LONG. = 58 2 11.4 RAD. = 1736158.6	1.1 1.7 14.3
53398	X = 903170 Y = 1478183 Z = 116218	15 17 11	LAT. = 3 50 17.7 LONG. = 58 34 30.2 RAD. = 1736159.4	1.3 1.8 17.0
5345D	X = 902063 Y = 1479947 Z = 109201	16 24 17	LAT. = 3 36 18.7 LONG. = 58 38 12.2 RAD. = 1736630.3	2.0 2.1 23.0
63485	X = 898637 Y = 1482483 Z = 66783	16 20 12	LAT. = 2 12 22.0 LONG. = 58 46 37.2 RAD. = 1734867.1	1.4 1.8 20.5
23055	X = 899725 Y = 1483173 Z = 30420	15 20 14	LAT. = 1 0 16.7 LONG. = 58 45 29.1 RAD. = 1735002.8	1.7 1.9 18.6
N3813	X = 910050 Y = 1477325 Z = 3886	22 27 20	LAT. = 0 7 41.9 LONG. = 58 21 59.1 RAD. = 1735135.5	2.4 2.4 27.9
53393	X = 869182 Y = 1491871 Z = 185470	14 15 10	LAT. = 6 7 52.1 LONG. = 59 46 27.8 RAD. = 1736535.6	1.2 1.7 14.4
53395	X = 878254 Y = 1489220 Z = 164376	18 18 12	LAT. = 5 25 51.9 LONG. = 59 28 13.4 RAD. = 1736699.7	1.6 1.8 20.1
B339E	X = 878282 Y = 1489161 Z = 164340	16 22 18	LAT. = 5 25 48.0 LONG. = 59 28 7.0 RAD. = 1736659.2	2.0 2.1 22.0
5339E	X = 878259 Y = 1489285 Z = 164310	19 23 15	LAT. = 5 25 43.4 LONG. = 59 28 16.9 RAD. = 1736751.9	1.7 2.2 23.0

TERRAIN POINTS ON MAP SHEET 62D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2854	X = 867985 Y = 1499847 Z = 100837	15 14 11	LAT. = 3 19 49.0 LONG. = 59 56 28.9 RAD. = 1735830.9	1.3 1.8 13.7
23050	X = 872198 Y = 1498012 Z = 96501	16 18 11	LAT. = 3 11 11.0 LONG. = 59 47 25.6 RAD. = 1736110.7	1.3 1.8 18.2
53388	X = 880356 Y = 1493346 Z = 94550	17 18 12	LAT. = 3 7 19.0 LONG. = 59 28 47.4 RAD. = 1736101.9	1.4 1.9 19.3
63453	X = 874031 Y = 1498567 Z = 37137	16 20 13	LAT. = 1 13 34.7 LONG. = 59 44 50.5 RAD. = 1735227.0	1.5 1.9 20.0
8546F	X = 888362 Y = 1490670 Z = 11857	48 26 23	LAT. = 0 23 29.3 LONG. = 59 12 26.1 RAD. = 1735346.1	2.8 4.0 42.0
63466	X = 888382 Y = 1490690 Z = 11852	16 24 17	LAT. = 0 23 28.7 LONG. = 59 12 25.3 RAD. = 1735372.6	2.0 2.2 23.0

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MAP SHEET 63A

TERRAIN POINTS ON MAP SHEET 63A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4699	X = 557332	13	LAT. = 12 38 50.4	1.3
	Y = 1601124	16	LONG. = 70 48 27.4	1.5
	Z = 380427	12	RAD. = 1737510.2	16.0
V4245	X = 575841	13	LAT. = 11 55 14.6	1.4
	Y = 1596257	17	LONG. = 70 9 48.1	1.5
	Z = 358244	11	RAD. = 1734349.5	16.6
34049	X = 571111	17	LAT. = 11 12 15.1	1.8
	Y = 1604406	22	LONG. = 70 24 22.0	2.0
	Z = 337337	14	RAD. = 1736111.7	21.6
34031	X = 568597	11	LAT. = 9 1 7.6	1.1
	Y = 1616797	14	LONG. = 70 37 27.1	1.4
	Z = 272025	9	RAD. = 1735319.1	13.8
T4693	X = 527297	15	LAT. = 15 58 42.8	1.6
	Y = 1581755	20	LONG. = 71 33 48.8	1.8
	Z = 477424	13	RAD. = 1734336.5	20.5
418	X = 530524	14	LAT. = 15 11 39.3	1.5
	Y = 1589262	15	LONG. = 71 32 24.2	1.7
	Z = 455036	13	RAD. = 1736164.3	14.4
T4695	X = 537563	14	LAT. = 14 41 41.3	1.5
	Y = 1590563	20	LONG. = 71 19 34.6	1.7
	Z = 440301	14	RAD. = 1735721.3	20.2
34045	X = 538740	36	LAT. = 13 10 11.2	2.9
	Y = 1601312	33	LONG. = 71 24 18.6	3.3
	Z = 395331	18	RAD. = 1735144.5	37.1
34005	X = 541445	14	LAT. = 13 8 24.7	1.7
	Y = 1602963	19	LONG. = 71 20 10.3	1.7
	Z = 394978	17	RAD. = 1737429.3	20.0
V4223	X = 540131	13	LAT. = 11 36 32.2	1.3
	Y = 1613851	16	LONG. = 71 29 43.5	1.5
	Z = 349614	10	RAD. = 1737379	16.2
1468	X = 546700	13	LAT. = 11 27 33.4	1.4
	Y = 1612650	14	LONG. = 71 16 22.6	1.6
	Z = 345183	12	RAD. = 1737432.5	13.7
34027	X = 544771	13	LAT. = 10 35 59.8	1.4
	Y = 1619811	17	LONG. = 71 24 40.7	1.5
	Z = 319823	11	RAD. = 1738634.3	17.0

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1770	X = 534952	14	LAT. = 8 34 55.0	1.5
	Y = 1631820	14	LONG. = 71 50 58.3	1.7
	Z = 259159	12	RAD. = 1736713.0	13.2
U4545	X = 513396	16	LAT. = 14 3 35.4	1.9
	Y = 1603938	21	LONG. = 72 15 3.4	1.7
	Z = 421762	14	RAD. = 1736109.0	20.0
V4089	X = 507706	15	LAT. = 11 17 54.7	1.9
	Y = 1625804	20	LONG. = 72 39 26.9	1.7
	Z = 340294	14	RAD. = 1736894.6	19.4
34005	X = 508719	13	LAT. = 10 3 4.6	1.3
	Y = 1632894	16	LONG. = 72 41 45.1	1.5
	Z = 303151	10	RAD. = 1736962.8	16.3
340K8	X = 527338	14	LAT. = 8 47 15.3	1.6
	Y = 1633446	33	LONG. = 72 6 28.7	1.9
	Z = 265341	12	RAD. = 1736847.0	31.3
22875	X = 505876	11	LAT. = 8 18 49.1	1.1
	Y = 1641306	15	LONG. = 72 52 11.6	1.4
	Z = 250973	10	RAD. = 1735737.5	14.6
T4653	X = 469097	12	LAT. = 13 5 35.1	1.3
	Y = 1625022	15	LONG. = 73 53 53.1	1.5
	Z = 393380	11	RAD. = 1736518.5	14.7
34001	X = 475353	11	LAT. = 12 11 31.6	1.2
	Y = 1628718	14	LONG. = 73 43 47.0	1.4
	Z = 366589	10	RAD. = 1735819.9	13.8
34002	X = 487263	17	LAT. = 11 33 22.7	1.9
	Y = 1629366	22	LONG. = 73 21 2.4	1.8
	Z = 347745	14	RAD. = 1735853.5	21.5
1466	X = 477022	13	LAT. = 10 45 37.3	1.4
	Y = 1637512	14	LONG. = 73 45 24.3	1.6
	Z = 324137	12	RAD. = 1736121.5	13.7
U4504	X = 470649	14	LAT. = 10 17 40.7	1.1
	Y = 1640226	19	LONG. = 73 59 22.6	1.6
	Z = 320209	12	RAD. = 1736198.9	19.9
A287L	X = 492862	16	LAT. = 9 18 13.5	2.0
	Y = 1642217	22	LONG. = 73 17 40.1	1.8
	Z = 280888	15	RAD. = 1737437.5	21.4

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4645	X = 455134 Y = 1614035 Z = 457850	14 20 12	LAT. = 15 16 14.8 LONG. = 74 15 8.4 RAD. = 1738356.8	1.5 1.7 19.6
410	X = 454890 Y = 1617859 Z = 437860	14 15 13	LAT. = 14 36 11.4 LONG. = 74 17 44.6 RAD. = 1736695.8	1.5 1.7 14.9
T4651	X = 460213 Y = 1621131 Z = 421159	14 19 13	LAT. = 14 1 54.5 LONG. = 74 9 5.8 RAD. = 1737019.2	1.5 1.7 19.8
U4389	X = 455515 Y = 1627094 Z = 403644	15 21 14	LAT. = 13 26 8.4 LONG. = 74 21 36.3 RAD. = 1737198.6	1.9 1.7 19.7
337J5	X = 460654 Y = 1656333 Z = 250672	13 19 11	LAT. = 8 17 44.6 LONG. = 74 27 28.3 RAD. = 1737376.4	1.3 1.6 19.5
33795	X = 452864 Y = 1658580 Z = 249288	14 22 13	LAT. = 8 15 .2 LONG. = 74 43 40.9 RAD. = 1737273.0	1.5 1.7 21.8
33789	X = 414345 Y = 1652752 Z = 329963	17 23 15	LAT. = 10 57 35.1 LONG. = 75 55 33.6 RAD. = 1735553.6	2.1 1.8 22.2
V4045	X = 435811 Y = 1651364 Z = 314598	12 17 10	LAT. = 10 26 13.1 LONG. = 75 12 58.2 RAD. = 1736635.9	1.3 1.4 16.5
3379C	X = 440249 Y = 1657491 Z = 273726	25 33 15	LAT. = 9 4 6.6 LONG. = 75 7 30.1 RAD. = 1736670.1	1.7 2.4 36.8
T4495	X = 382834 Y = 1644168 Z = 401818	14 20 14	LAT. = 13 23 18.9 LONG. = 76 53 33.3 RAD. = 1735311.9	1.5 1.7 20.7
T4497	X = 397356 Y = 1648389 Z = 371255	12 15 10	LAT. = 12 21 .4 LONG. = 76 26 49.2 RAD. = 1735773.1	1.3 1.4 14.9
22778	X = 397186 Y = 1656559 Z = 334984	14 19 19	LAT. = 11 7 29.6 LONG. = 76 31 1.1 RAD. = 1736133.4	2.0 1.7 20.8

TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

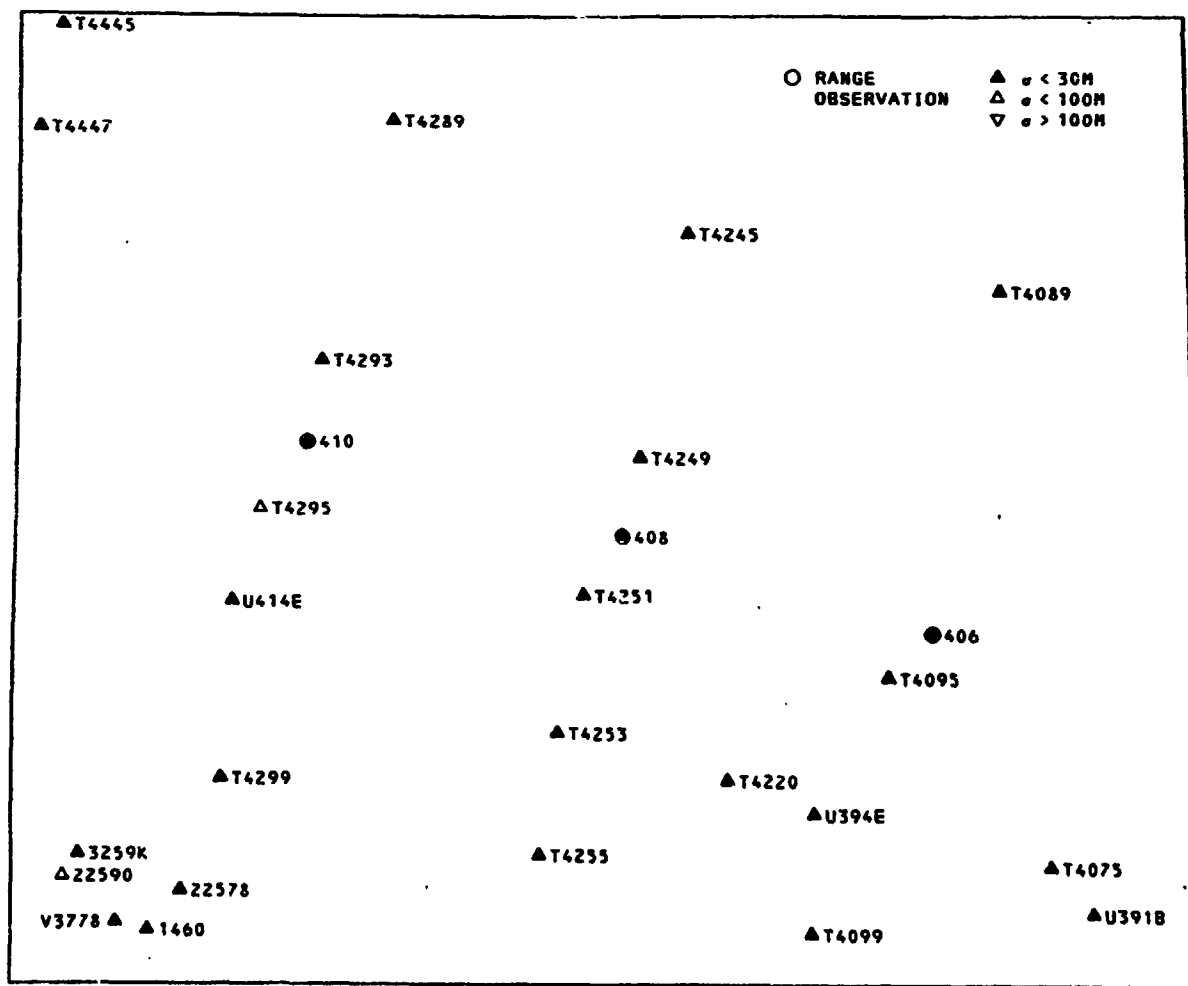
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1464	X = 407084 Y = 1661450 Z = 301852	13 14 11	LAT. = 10 0 26.6 LONG. = 76 13 57.9 RAD. = 1737022.5	1.4 1.6 13.5
A377A	X = 408071 Y = 1668408 Z = 249460	17 22 16	LAT. = 8 15 49.6 LONG. = 76 15 21.7 RAD. = 1735609.2	2.1 1.8 22.4
T4493	X = 374673 Y = 1637661 Z = 434825	14 21 13	LAT. = 14 30 40.7 LONG. = 77 6 48.0 RAD. = 1735335.0	1.5 1.7 20.8
414	X = 378640 Y = 1641425 Z = 416457	14 15 13	LAT. = 13 53 11.3 LONG. = 77 0 37.4 RAD. = 1735246.0	1.5 1.7 15.1
U4345	X = 377604 Y = 1651667 Z = 379171	15 21 14	LAT. = 12 36 52.7 LONG. = 77 7 20.5 RAD. = 1736191.3	1.9 1.6 20.1
22747	X = 364302 Y = 1672945 Z = 288860	12 16 10	LAT. = 9 34 34.7 LONG. = 77 42 54.0 RAD. = 1736347.3	1.3 1.4 15.9
T4455	X = 326305 Y = 1674460 Z = 320768	14 20 18	LAT. = 10 38 56.0 LONG. = 78 58 22.3 RAD. = 1735852.2	2.0 1.7 21.8
22734	X = 349229 Y = 1672292 Z = 309201	16 23 16	LAT. = 10 15 32.4 LONG. = 78 12 15.5 RAD. = 1736124.3	2.2 1.8 21.7
22723	X = 329600 Y = 1677009 Z = 297953	19 40 26	LAT. = 9 53 21.2 LONG. = 78 52 50.8 RAD. = 1734869.7	3.8 1.9 37.5
1462	X = 336280 Y = 1680220 Z = 277328	13 20 12	LAT. = 9 11 35.9 LONG. = 78 40 56.4 RAD. = 1735838.4	1.4 1.5 20.7
2271E	X = 338848 Y = 1681441 Z = 262898	13 20 12	LAT. = 8 42 50.4 LONG. = 78 36 22.4 RAD. = 1735274.8	1.4 1.5 20.8
T4449	X = 297192 Y = 1658623 Z = 417433	21 31 14	LAT. = 13 54 49.4 LONG. = 79 50 29.5 RAD. = 1735973.3	1.7 2.2 33.1

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TERRAIN POINTS ON MAP SHEET 63A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
412	X = 301057 Y = 1663653 Z = 396092	14 15 13	LAT. = 13 11 7.8 LONG. = 79 44 33.6 RAD. = 1736452.1	1.5 1.7 15.3
T4451	X = 312922 Y = 1664022 Z = 379052	14 21 14	LAT. = 12 37 7.2 LONG. = 79 20 59.3 RAD. = 1735099.0	1.5 1.7 21.8
U424F	X = 313174 Y = 1674311 Z = 338557	14 21 13	LAT. = 11 14 29.7 LONG. = 79 24 19.7 RAD. = 1736668.3	1.7 1.6 20.6
V3789	X = 314422 Y = 1684865 Z = 273292	11 19 11	LAT. = 9 3 34.7 LONG. = 79 25 45.5 RAD. = 1735603.3	1.5 1.4 18.5
22592	X = 298968 Y = 1691911 Z = 244740	11 16 10	LAT. = 8 6 25.3 LONG. = 79 58 44.6 RAD. = 1735466.1	1.2 1.3 16.4

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MAP SHEET 63B

TERRAIN POINTS ON MAP SHEET 63B

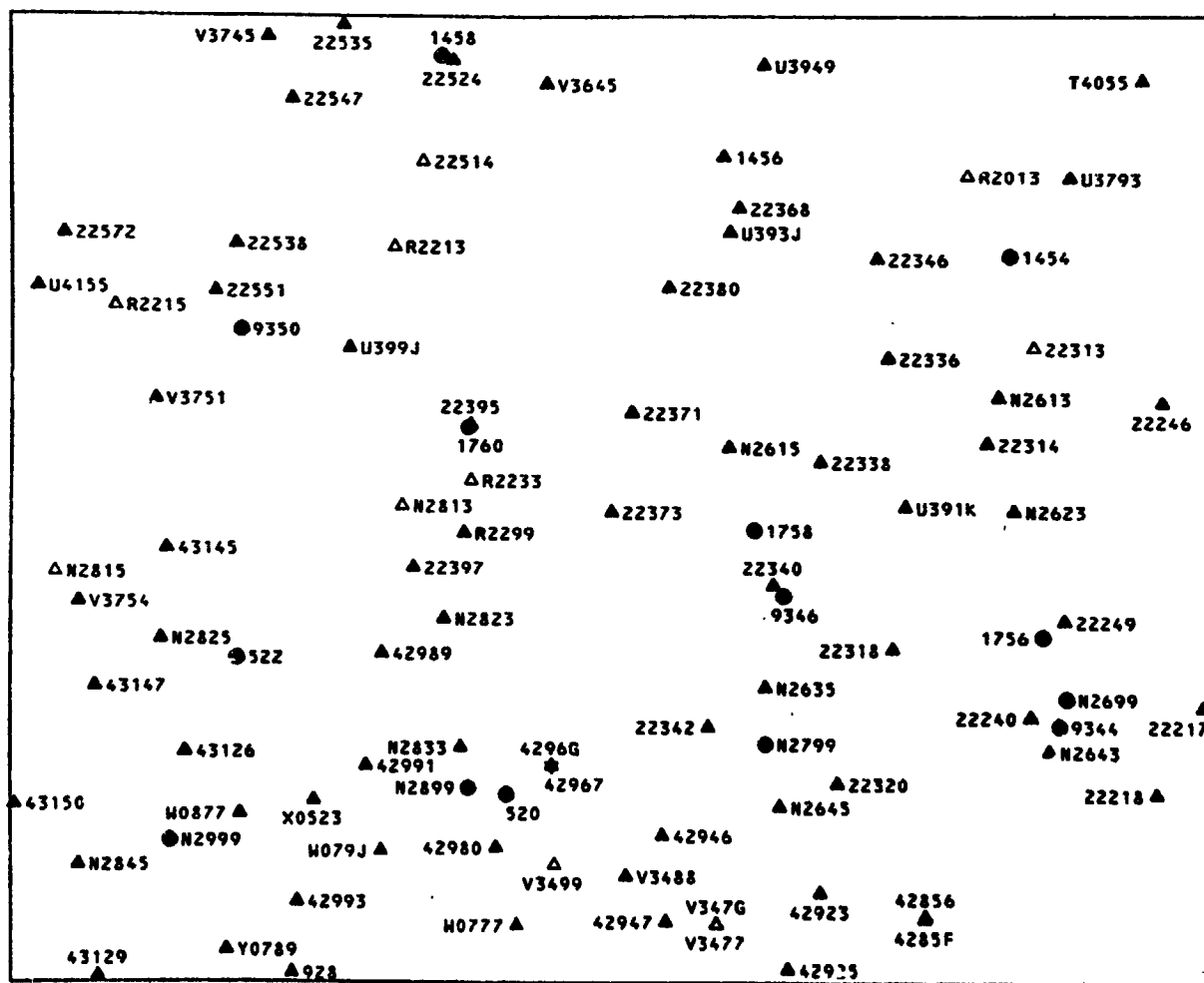
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4445	X = 279715 Y = 1646857 Z = 476265	15 23 14	LAT. = 15 54 48.8 LONG. = 80 21 37.6 RAD. = 1737011.0	2.0 1.7 21.5
T4447	X = 286177 Y = 1652655 Z = 451869	14 22 13	LAT. = 15 4 41.1 LONG. = 80 10 33.5 RAD. = 1737052.8	1.8 1.7 21.5
3259K	X = 280863 Y = 1689082 Z = 273549	16 23 16	LAT. = 9 4 36.3 LONG. = 80 33 32.9 RAD. = 1733986.7	2.2 1.7 22.6
22590	X = 285039 Y = 1690684 Z = 268225	29 37 19	LAT. = 8 53 28.8 LONG. = 80 25 48.9 RAD. = 1735397.0	2.8 2.9 37.6
V3778	X = 272191 Y = 1694898 Z = 256813	11 16 10	LAT. = 8 30 31.0 LONG. = 80 52 35.5 RAD. = 1735718.4	1.3 1.3 16.2
U414E	X = 241457 Y = 1685362 Z = 336086	13 22 15	LAT. = 11 9 59.7 LONG. = 81 50 48.8 RAD. = 1735425.4	2.0 1.5 20.3
T4299	X = 245238 Y = 1693344 Z = 292480	12 16 11	LAT. = 9 42 1.4 LONG. = 81 45 34.0 RAD. = 1735828.6	1.3 1.4 16.4
22578	X = 256102 Y = 1698016 Z = 264912	11 17 10	LAT. = 8 46 11.2 LONG. = 81 25 23.0 RAD. = 1737534.5	1.3 1.3 16.6
1460	X = 264416 Y = 1697602 Z = 255004	12 20 11	LAT. = 8 26 32.9 LONG. = 81 8 48.6 RAD. = 1736892.6	1.3 1.5 20.0
T4293	X = 217769 Y = 1675845 Z = 395094	13 22 13	LAT. = 13 9 32.3 LONG. = 82 35 46.1 RAD. = 1735505.4	1.6 1.6 21.4
410	X = 221913 Y = 1679669 Z = 375196	13 16 13	LAT. = 12 29 12.1 LONG. = 82 28 25.8 RAD. = 1735311.1	1.5 1.6 15.9
T4295	X = 233921 Y = 1681826 Z = 358924	17 34 16	LAT. = 11 56 7.5 LONG. = 82 4 54.1 RAD. = 1735536.0	1.7 2.3 33.7

TERRAIN POINTS ON MAP SHEET 63B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4289	X = 198566 Y = 1663392 Z = 453153	14 23 15	LAT. = 15 8 11.9 LONG. = 83 11 33.3 RAD. = 1735410.1	2.1 1.7 22.0
T4251	X = 153346 Y = 1696143 Z = 337500	13 21 13	LAT. = 11 12 33.3 LONG. = 84 50 2.5 RAD. = 1736180.2	1.5 1.6 21.0
T4253	X = 160370 Y = 1698992 Z = 303162	11 15 10	LAT. = 10 4 23.9 LONG. = 84 36 27.9 RAD. = 1733262.7	1.3 1.3 14.9
T4255	X = 165500 Y = 1703819 Z = 273191	13 20 18	LAT. = 9 4 2.4 LONG. = 84 27 7.2 RAD. = 1733499.7	2.0 1.6 21.6
T4245	X = 125069 Y = 1677862 Z = 425810	13 23 15	LAT. = 14 12 7.8 LONG. = 85 44 13.3 RAD. = 1735562.2	2.0 1.6 21.3
T4249	X = 138317 Y = 1689750 Z = 371254	13 21 13	LAT. = 12 21 5.4 LONG. = 85 19 13.4 RAD. = 1735574.2	1.5 1.6 21.2
408	X = 143255 Y = 1693805 Z = 352033	13 16 13	LAT. = 11 42 1.2 LONG. = 85 9 56.4 RAD. = 1735921.6	1.5 1.6 16.2
T4220	X = 117566 Y = 1704902 Z = 291596	11 17 11	LAT. = 9 40 59.0 LONG. = 86 3 19.0 RAD. = 1733649.1	1.4 1.4 17.2
U394E	X = 96032 Y = 1710875 Z = 283783	12 22 14	LAT. = 9 24 12.2 LONG. = 86 47 14.5 RAD. = 1736907.4	1.9 1.5 20.3
T4099	X = 97284 Y = 1714953 Z = 254205	13 21 18	LAT. = 8 25 5.3 LONG. = 86 45 11.8 RAD. = 1736418.1	2.0 1.6 21.8
406	X = 65556 Y = 1702856 Z = 328110	13 16 13	LAT. = 10 53 54.0 LONG. = 87 47 43.2 RAD. = 1735416.8	1.5 1.5 16.2
T4095	X = 76876 Y = 1704594 Z = 317241	13 21 13	LAT. = 10 31 55.9 LONG. = 87 25 3.9 RAD. = 1735566.5	1.5 1.5 21.7

TERRAIN POINTS ON MAP SHEET 63B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4089	X = 47239	13	LAT. = 13 43 38.8	2.1
	Y = 1685464	24	LONG. = 88 23 40.5	1.6
	Z = 411889	15	RAD. = 1735705.6	22.1
T4075	X = 36957	11	LAT. = 8 58 31.8	1.4
	Y = 1711666	17	LONG. = 88 45 47.2	1.3
	Z = 270414	11	RAD. = 1733288.7	16.4
U3918	X = 26432	12	LAT. = 8 35 29.1	1.9
	Y = 1712831	22	LONG. = 89 6 57.2	1.4
	Z = 258809	14	RAD. = 1732475.9	20.9



MAP SHEET 63C

TERRAIN POINTS ON MAP SHEET 63C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22572	X = 286472 Y = 1700248 Z = 187652	12 18 11	LAT. = 6 12 40.5 LONG. = 80 26 10.1 RAD. = 1734393.8	1.4 1.4 18.3
U4155	X = 293390 Y = 1700765 Z = 174403	12 20 17	LAT. = 5 46 12.9 LONG. = 80 12 45.1 RAD. = 1734675.0	1.9 1.6 20.6
R2215	X = 274175 Y = 1704090 Z = 169596	21 39 28	LAT. = 5 36 42.6 LONG. = 80 51 35.6 RAD. = 1734317.9	3.6 2.6 36.3
N2815	X = 290289 Y = 1710137 Z = 103167	19 36 20	LAT. = 3 24 13.4 LONG. = 80 21 57.9 RAD. = 1737664.7	2.5 2.2 36.2
V3754	X = 284080 Y = 1708993 Z = 95654	12 20 15	LAT. = 3 9 37.0 LONG. = 80 33 44.0 RAD. = 1735081.6	1.7 1.5 19.9
43147	X = 280115 Y = 1710165 Z = 74444	10 14 10	LAT. = 2 27 35.3 LONG. = 80 41 52.4 RAD. = 1734552.4	1.1 1.2 13.7
43150	X = 300661 Y = 1710386 Z = 44937	10 15 9	LAT. = 1 28 56.2 LONG. = 80 1 48.3 RAD. = 1737191.9	1.1 1.2 14.5
N2845	X = 284509 Y = 1710472 Z = 29451	15 22 15	LAT. = 0 58 23.1 LONG. = 80 33 22.5 RAD. = 1734222.3	1.8 1.8 21.7
43129	X = 279872 Y = 1713046 Z = 1397	9 13 8	LAT. = 0 2 46.0 LONG. = 80 43 16.2 RAD. = 1735758.7	.9 1.1 12.5
22538	X = 244270 Y = 1709967 Z = 185306	15 21 14	LAT. = 6 7 23.5 LONG. = 81 52 12.9 RAD. = 1737237.2	1.7 1 21
22551	X = 249712 Y = 1710749 Z = 173531	11 18 10	LAT. = 5 43 54.2 LONG. = 81 41 43.3 RAD. = 1737564.8	1.2 1.3 17.9
9350	X = 243352 Y = 1712546 Z = 163866	15 15 14	LAT. = 5 24 42.1 LONG. = 81 54 44.8 RAD. = 1737493.7	1.7 1.8 14.7

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V3751	X = 264742 Y = 1710247 Z = 146518	12 19 11	LAT. = 4 50 21.3 LONG. = 81 12 2.1 RAD. = 1736807.9	1.3 1.4 19.5
431+5	X = 262565 Y = 1714795 Z = 109163	11 15 10	LAT. = 3 36 2.4 LONG. = 81 17 40.7 RAD. = 1738211.4	1.2 1.3 15.3
N2825	X = 263587 Y = 1711830 Z = 86323	17 25 17	LAT. = 2 51 11.7 LONG. = 81 14 46.9 RAD. = 1734154.0	2.0 2.1 25.0
522	X = 245162 Y = 1717693 Z = 81603	13 13 12	LAT. = 2 41 33.6 LONG. = 81 52 37.9 RAD. = 1737018.4	1.4 1.5 13.0
43126	X = 258310 Y = 1716608 Z = 57975	11 16 11	LAT. = 1 54 46.0 LONG. = 81 26 33.1 RAD. = 1736901.6	1.4 1.2 16.2
W0877	X = 244282 Y = 1716269 Z = 42157	13 18 13	LAT. = 1 23 35.0 LONG. = 81 53 57.6 RAD. = 1734079.5	1.5 1.4 17.9
N2999	X = 261761 Y = 1714663 Z = 35566	15 14 15	LAT. = 1 10 28.8 LONG. = 81 19 12.8 RAD. = 1734893.1	1.7 1.8 14.3
Y0789	X = 247664 Y = 1716226 Z = 7956	10 16 11	LAT. = 0 15 46.3 LONG. = 81 47 18.5 RAD. = 1734021.7	1.3 1.2 15.7
22535	X = 216303 Y = 1705261 Z = 239386	15 22 16	LAT. = 7 55 41.9 LONG. = 82 46 15.4 RAD. = 1735513.7	2.1 1.6 21.5
V3745	X = 235310 Y = 1705011 Z = 236656	13 20 14	LAT. = 7 49 44.1 LONG. = 82 8 31.9 RAD. = 1737365.2	1.8 1.4 19.4
22547	X = 229677 Y = 1707181 Z = 221141	10 16 10	LAT. = 7 18 56.1 LONG. = 82 20 15.6 RAD. = 1736699.0	1.2 1.2 15.5
U399J	X = 216051 Y = 1716386 Z = 159147	12 19 16	LAT. = 5 15 22.4 LONG. = 82 49 32.1 RAD. = 1737234.9	1.8 1.5 20.0

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42991	X = 212426 Y = 1719852 Z = 54163	9 13 8	LAT. = 1 47 24.8 LONG. = 82 57 31.8 RAD. = 1733767.4	1.0 1.1 12.5
X0523	X = 225682 Y = 1718622 Z = 45470	15 29 22	LAT. = 1 30 9.5 LONG. = 82 31 8.3 RAD. = 1733972.8	2.7 1.6 29.2
42993	X = 230001 Y = 1718545 Z = 20095	10 15 10	LAT. = 0 39 50.4 LONG. = 82 22 37.7 RAD. = 1733984.6	1.2 1.3 15.3
928	X = 231344 Y = 1718325 Z = 2176	15 22 14	LAT. = 0 4 18.9 LONG. = 82 19 55.9 RAD. = 1733829.7	1.6 1.8 21.8
1458	X = 191682 Y = 1706905 Z = 231564	12 13 11	LAT. = 7 40 41.1 LONG. = 83 35 33.6 RAD. = 1733173.4	1.3 1.4 13.2
22524	X = 188852 Y = 1707385 Z = 230330	10 15 10	LAT. = 7 38 12.9 LONG. = 83 41 17.6 RAD. = 1733170.8	1.2 1.2 15.1
22514	X = 196937 Y = 1712718 Z = 205611	16 38 20	LAT. = 6 48 4.2 LONG. = 83 26 26.3 RAD. = 1736221.2	2.8 1.8 36.8
R2213	X = 204387 Y = 1714793 Z = 184274	20 37 27	LAT. = 6 5 26.7 LONG. = 83 12 10.6 RAD. = 1736734.8	3.6 2.5 34.4
22395	X = 185463 Y = 1720453 Z = 139766	10 16 10	LAT. = 4 37 3.9 LONG. = 83 50 50.4 RAD. = 1736055.4	1.2 1.2 16.0
1760	X = 186114 Y = 1720405 Z = 139121	12 12 12	LAT. = 4 35 47.3 LONG. = 83 49 32.6 RAD. = 1736026.5	1.4 1.5 12.0
R2233	X = 185587 Y = 1721720 Z = 125755	20 35 10	LAT. = 4 9 12.6 LONG. = 83 50 51.9 RAD. = 1736253.8	2.3 2.4 34.7
N2813	X = 202999 Y = 1719456 Z = 119421	27 43 22	LAT. = 3 56 44.3 LONG. = 83 16 .5 RAD. = 1735511.2	2.8 2.8 43.4

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R2299	X = 187390 Y = 1721555 Z = 112523	17 28 17	LAT. = 3 47 3.8 LONG. = 83 47 16.2 RAD. = 1735375.6	2.1 2.0 26.9
22397	X = 200250 Y = 1720774 Z = 103921	9 14 8	LAT. = 3 25 58.5 LONG. = 83 21 44.1 RAD. = 1735500.6	1.0 1.1 13.9
N2823	X = 192575 Y = 1720878 Z = 91097	16 24 15	LAT. = 3 0 41.2 LONG. = 83 36 53.5 RAD. = 1734013.8	1.8 1.9 24.2
42989	X = 208356 Y = 1719887 Z = 82358	10 14 9	LAT. = 2 43 18.1 LONG. = 83 5 33.2 RAD. = 1734418.7	1.0 1.2 13.4
N2833	X = 188604 Y = 1722355 Z = 58728	17 27 17	LAT. = 1 56 28.7 LONG. = 83 45 2.9 RAD. = 1733645.5	2.0 2.1 27.1
N2899	X = 186740 Y = 1723012 Z = 48615	14 14 13	LAT. = 1 36 24.4 LONG. = 83 48 51.9 RAD. = 1733783.3	1.6 1.6 14.1
W079J	X = 208741 Y = 1721093 Z = 32768	11 19 14	LAT. = 1 4 58.0 LONG. = 83 5 4.9 RAD. = 1734014.9	1.7 1.3 18.6
V3645	X = 165296 Y = 1710479 Z = 224294	10 16 10	LAT. = 7 26 10.6 LONG. = 84 28 48.9 RAD. = 1733022.9	1.3 1.2 15.8
4296G	X = 165725 Y = 1724662 Z = 54099	64 65 94	LAT. = 1 47 18.3 LONG. = 84 30 40.4 RAD. = 1733450.5	11.3 8.3 56.0
42967	X = 165748 Y = 1724786 Z = 54089	10 15 10	LAT. = 1 47 16.7 LONG. = 84 30 39.1 RAD. = 1733575.9	1.2 1.2 15.5
520	X = 177160 Y = 1724240 Z = 46915	14 13 14	LAT. = 1 33 1.6 LONG. = 84 8 1.1 RAD. = 1733952.2	1.6 1.7 12.7
42980	X = 179854 Y = 1724531 Z = 33603	9 13 9	LAT. = 1 6 36.9 LONG. = 84 2 45.8 RAD. = 1734209.5	1.0 1.1 12.8

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V3499	X = 165119 Y = 1725589 Z = 29341	13 30 26	LAT. = 0 58 10.9 LONG. = 84 32 2.8 RAD. = 1733719.5	3.1 1.5 30.3
W0777	X = 174573 Y = 1725065 Z = 14210	12 18 13	LAT. = 0 28 10.4 LONG. = 84 13 17.2 RAD. = 1733934.3	1.5 1.4 18.4
1456	X = 121222 Y = 1720785 Z = 206855	11 20 11	LAT. = 6 50 16.2 LONG. = 85 58 13.5 RAD. = 1737407.5	1.3 1.4 20.1
22380	X = 135419 Y = 1723003 Z = 174071	10 21 12	LAT. = 5 45 4.6 LONG. = 85 30 21.9 RAD. = 1737060.7	1.5 1.2 20.6
22371	X = 144885 Y = 1723535 Z = 142647	10 17 10	LAT. = 4 42 53.0 LONG. = 85 11 41.5 RAD. = 1735486.1	1.1 1.2 17.5
22373	X = 150152 Y = 1723400 Z = 117755	9 13 8	LAT. = 3 53 38.7 LONG. = 85 1 14.3 RAD. = 1733932.3	1.0 1.0 12.8
22342	X = 126114 Y = 1727687 Z = 63913	9 14 9	LAT. = 2 6 46.7 LONG. = 85 49 30.2 RAD. = 1733462.5	1.1 1.1 14.1
42946	X = 137944 Y = 1727669 Z = 36770	8 12 8	LAT. = 1 12 55.3 LONG. = 85 26 5.9 RAD. = 1733557.3	.9 1.0 12.1
V3488	X = 147108 Y = 1727145 Z = 26552	10 13 10	LAT. = 0 52 39.3 LONG. = 85 7 53.9 RAD. = 1733601.7	1.1 1.2 12.7
42947	X = 137164 Y = 1728242 Z = 15265	10 13 9	LAT. = 0 30 16.1 LONG. = 85 27 43.8 RAD. = 1733743.5	1.1 1.1 13.3
V347G	X = 124157 Y = 1729179 Z = 14619	13 35 33	LAT. = 0 28 59.3 LONG. = 85 53 35.3 RAD. = 1733692.2	3.9 1.6 34.3
V3477	X = 124387 Y = 1729113 Z = 14595	16 34 26	LAT. = 0 28 56.5 LONG. = 85 53 7.5 RAD. = 1733643.1	3.1 2.1 33.0

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U3949	X = 110720 Y = 1717007 Z = 229382	12 21 11	LAT. = 7 35 37.5 LONG. = 86 18 37.5 RAD. = 1735795.7	1.4 1.4 20.4
22368	X = 117465 Y = 1722187 Z = 193894	11 28 18	LAT. = 6 24 31.9 LONG. = 86 5 53.0 RAD. = 1737044.1	2.4 1.3 26.5
U395J	X = 119720 Y = 1722064 Z = 187786	11 20 12	LAT. = 6 12 30.5 LONG. = 86 1 23.3 RAD. = 1736404.3	1.3 1.4 20.3
N2615	X = 120340 Y = 1724971 Z = 133968	17 28 18	LAT. = 4 25 48.7 LONG. = 86 0 33.5 RAD. = 1734345.1	2.2 2.1 27.1
22338	X = 97431 Y = 1725894 Z = 130181	10 15 9	LAT. = 4 18 24.2 LONG. = 86 46 8.2 RAD. = 1733536.8	1.1 1.1 15.3
1758	X = 114167 Y = 1726119 Z = 113178	11 11 10	LAT. = 3 44 35.7 LONG. = 86 12 57.3 RAD. = 1733589.1	1.2 1.3 11.4
22340	X = 109472 Y = 1727365 Z = 99367	9 15 9	LAT. = 3 17 8.7 LONG. = 86 22 25.4 RAD. = 1733680.2	1.0 1.1 15.2
9346	X = 106969 Y = 1727620 Z = 96750	12 12 12	LAT. = 3 11 57.2 LONG. = 86 27 24.9 RAD. = 1733629.9	1.4 1.4 11.9
N2635	X = 111739 Y = 1728515 Z = 73711	14 21 13	LAT. = 2 26 12.4 LONG. = 86 18 4.7 RAD. = 1733690.9	1.6 1.7 20.8
N2799	X = 111772 Y = 1728903 Z = 59686	14 14 14	LAT. = 1 58 23.2 LONG. = 86 18 3.7 RAD. = 1733540.1	1.6 1.7 13.8
22320	X = 93766 Y = 1730287 Z = 49669	9 14 8	LAT. = 1 58 20.7 LONG. = 86 20 53.3 RAD. = 1733537.9	1.0 1.0 14.2
N2645	X = 108327 Y = 1729635 Z = 43928	13 18 13	LAT. = 1 27 7.2 LONG. = 86 24 58.4 RAD. = 1733580.9	1.6 1.6 18.2

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

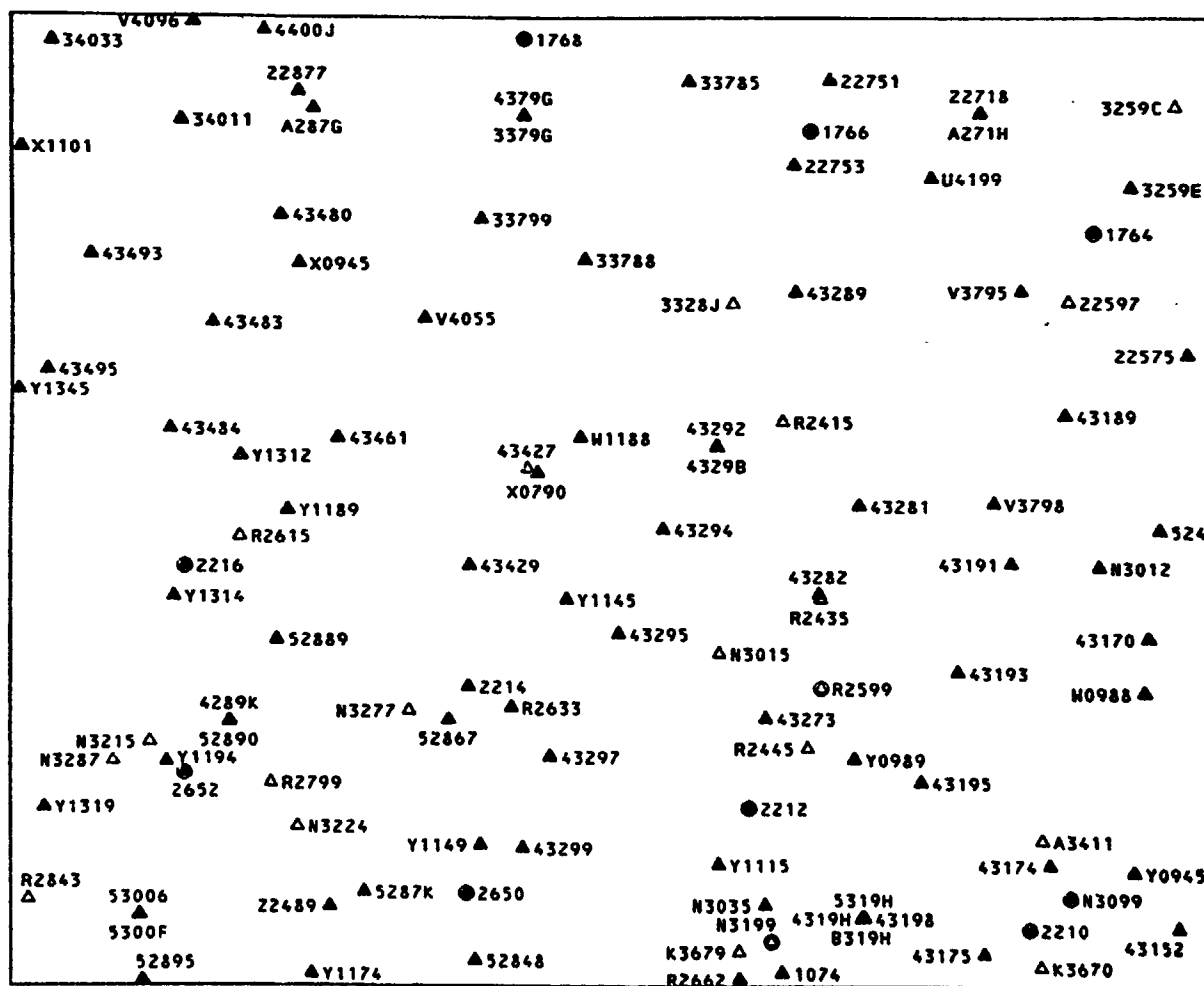
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42923	X = 93230 Y = 1730644 Z = 22430	8 12 8	LAT. = 0 44 28.9 LONG. = 86 45 5.2 RAD. = 1733574.2	1.0 1.0 12.3
42925	X = 106483 Y = 1730370 Z = 3324	8 12 8	LAT. = 0 6 35.5 LONG. = 86 28 42.9 RAD. = 1735646.7	.9 1.0 12.0
22346	X = 82809 Y = 1724354 Z = 181124	10 16 11	LAT. = 5 59 21.9 LONG. = 87 15 2.1 RAD. = 1735816.6	1.4 1.2 15.6
22336	X = 80194 Y = 1724927 Z = 156141	8 13 8	LAT. = 5 10 .4 LONG. = 87 20 17.4 RAD. = 1733835.6	1.0 1.0 13.0
U391K	X = 76122 Y = 1727742 Z = 118927	12 20 15	LAT. = 3 56 1.9 LONG. = 87 28 38.2 RAD. = 1733502.1	1.7 1.4 20.6
22318	X = 79607 Y = 1729995 Z = 83352	9 17 9	LAT. = 2 45 19.8 LONG. = 87 21 55.3 RAD. = 1733830.5	1.1 1.1 17.0
42856	X = 71713 Y = 1732036 Z = 16448	9 13 8	LAT. = 0 32 37.0 LONG. = 87 37 44.7 RAD. = 1733597.5	1.0 1.0 12.7
4285F	X = 71997 Y = 1732006 Z = 15880	11 19 14	LAT. = 0 31 29.5 LONG. = 87 37 10.8 RAD. = 1733574.9	1.7 1.4 19.3
R2013	X = 59914 Y = 1722737 Z = 201841	28 68 44	LAT. = 6 40 42.5 LONG. = 88 0 29.4 RAD. = 1735555.7	6.0 3.2 63.8
U3793	X = 34666 Y = 1723324 Z = 201335	11 20 11	LAT. = 6 39 44.2 LONG. = 88 50 51.4 RAD. = 1735391.5	1.4 1.3 20.3
1454	X = 49625 Y = 1724477 Z = 181856	13 13 13	LAT. = 6 1 2.8 LONG. = 88 21 6.0 RAD. = 1734749.8	1.5 1.6 12.9
22313	X = 44060 Y = 1727177 Z = 158845	14 43 23	LAT. = 5 15 10.5 LONG. = 88 32 19.4 RAD. = 1735025.9	3.1 1.7 40.9

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2613	X = 52710 Y = 1726959 Z = 146327	15 25 16	LAT. = 4 50 27.3 LONG. = 88 15 6.3 RAD. = 1733948.2	2.0 1.8 24.0
22314	X = 55661 Y = 1727345 Z = 134792	9 15 9	LAT. = 4 27 34.9 LONG. = 88 9 15.7 RAD. = 1733490.1	1.0 1.1 14.6
N2623	X = 49140 Y = 1728817 Z = 117977	15 24 15	LAT. = 3 54 8.4 LONG. = 88 22 18.7 RAD. = 1733534.5	1.8 1.8 24.0
22249	X = 36860 Y = 1730967 Z = 90448	9 14 8	LAT. = 2 59 25.7 LONG. = 88 46 48.4 RAD. = 1733720.5	1.0 1.0 13.6
1756	X = 42384 Y = 1731031 Z = 86529	11 11 10	LAT. = 2 51 38.9 LONG. = 88 35 50.7 RAD. = 1733710.5	1.2 1.3 10.9
N2699	X = 36538 Y = 1731949 Z = 71121	14 13 14	LAT. = 2 21 3.4 LONG. = 88 47 29.1 RAD. = 1733793.6	1.6 1.6 13.0
22240	X = 45602 Y = 1731860 Z = 66374	8 13 8	LAT. = 2 11 38.6 LONG. = 88 29 30.1 RAD. = 1733730.9	.9 1.0 12.9
9344	X = 38340 Y = 1732079 Z = 64279	12 11 11	LAT. = 2 7 29.3 LONG. = 88 43 55.0 RAD. = 1733695.0	1.4 1.4 11.5
N2643	X = 41042 Y = 1732257 Z = 57868	13 18 13	LAT. = 1 54 46.0 LONG. = 88 38 34.0 RAD. = 1733708.8	1.6 1.6 18.0
T4055	X = 16409 Y = 1720494 Z = 225451	13 21 18	LAT. = 7 27 54.4 LONG. = 89 27 12.8 RAD. = 1735280.2	2.0 1.6 22.6
22246	X = 11901 Y = 1727767 Z = 145119	9 16 10	LAT. = 4 48 3.7 LONG. = 89 36 19.3 RAD. = 1733891.5	1.3 1.1 15.2
22217	X = 2202 Y = 1732278 Z = 68899	9 15 9	LAT. = 2 16 39.5 LONG. = 89 55 37.8 RAD. = 1733648.5	1.1 1.0 14.6

TERRAIN POINTS ON MAP SHEET 63C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22218	X = 14079	8	LAT. = 1 33 41.3	1.0
	Y = 1732972	14	LONG. = 89 32 4.3	1.0
	Z = 47242	8	RAD. = 1733673.2	14.2



MAP SHEET 63D

○ RANGE ▲ ● < 30M
OBSERVATION Δ ● < 100M
 ▽ ● > 100M

TERRAIN POINTS ON MAP SHEET 63D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
34033	X = 579423 Y = 1620644 Z = 235388	12 16 10	LAT. = 7 47 15.9 LONG. = 70 19 36.1 RAD. = 1737131.6	1.2 1.4 15.7
X1101	X = 587634 Y = 1621427 Z = 209385	15 18 13	LAT. = 6 55 20.4 LONG. = 70 4 42.9 RAD. = 1737291.0	1.7 1.6 17.8
43493	X = 572405 Y = 1630048 Z = 182976	11 13 9	LAT. = 6 2 44.7 LONG. = 70 39 3.1 RAD. = 1737292.6	1.0 1.4 12.7
43495	X = 583657 Y = 1629180 Z = 154192	14 20 12	LAT. = 5 5 29.5 LONG. = 70 17 23.4 RAD. = 1737428.7	1.5 1.6 19.7
Y1345	X = 589723 Y = 1624996 Z = 149117	15 17 13	LAT. = 4 55 48.5 LONG. = 70 3 13.6 RAD. = 1735113.8	1.6 1.6 18.0
N3287	X = 569688 Y = 1640290 Z = 56509	23 39 30	LAT. = 1 51 50.3 LONG. = 70 50 50.7 RAD. = 1737322.0	3.7 2.8 37.8
Y1319	X = 585946 Y = 1634062 Z = 44863	11 14 9	LAT. = 1 28 49.5 LONG. = 70 16 23.1 RAD. = 1736520.8	1.0 1.4 13.6
R2843	X = 590474 Y = 1634921 Z = 21739	25 34 20	LAT. = 0 42 59.4 LONG. = 70 8 31.6 RAD. = 1738418.7	2.4 2.6 35.8
V4096	X = 545859 Y = 1631249 Z = 240366	13 19 12	LAT. = 7 57 17.0 LONG. = 71 29 54.2 RAD. = 1736867.7	1.4 1.6 19.2
34011	X = 549757 Y = 1633722 Z = 216205	12 15 10	LAT. = 7 8 56.9 LONG. = 71 24 5.8 RAD. = 1737246.7	1.2 1.5 15.0
43483	X = 544091 Y = 1641498 Z = 166066	12 16 11	LAT. = 5 29 7.0 LONG. = 71 39 42.2 RAD. = 1737276.6	1.2 1.5 16.0
43484	X = 554790 Y = 1640344 Z = 139533	12 17 11	LAT. = 4 36 24.8 LONG. = 71 18 49.2 RAD. = 1737236.7	1.3 1.6 16.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1312	X = 537840 Y = 1645662 Z = 132694	23 25 18	LAT. = 4 22 57.9 LONG. = 71 54 5.1 RAD. = 1736399.7	2.3 2.2 28.0
R2615	X = 537779 Y = 1645103 Z = 112400	24 40 28	LAT. = 3 42 56.5 LONG. = 71 53 51.4 RAD. = 1734417.7	3.5 2.7 39.0
2216	X = 551899 Y = 1643708 Z = 105200	13 13 10	LAT. = 3 28 19.4 LONG. = 71 26 23.2 RAD. = 1737076.7	1.2 1.5 12.5
Y1314	X = 554395 Y = 1642664 Z = 97564	12 18 10	LAT. = 3 13 15.4 LONG. = 71 21 2.1 RAD. = 1736438.8	1.2 1.5 17.7
4289K	X = 541010 Y = 1647307 Z = 66255	14 23 17	LAT. = 2 11 18.0 LONG. = 71 49 7.5 RAD. = 1735137.4	2.0 1.9 22.3
52890	X = 541168 Y = 1647169 Z = 66156	16 21 14	LAT. = 2 11 6.5 LONG. = 71 48 44.5 RAD. = 1735052.2	1.7 1.7 21.4
N3215	X = 560642 Y = 1642185 Z = 61206	20 31 20	LAT. = 2 1 12.4 LONG. = 71 9 4 RAD. = 1736328.3	2.5 2.2 31.2
Y1194	X = 556681 Y = 1643625 Z = 56213	13 18 10	LAT. = 1 51 19.3 LONG. = 71 17 21.2 RAD. = 1736247.7	1.2 1.5 17.6
2652	X = 552462 Y = 1645337 Z = 53421	13 13 10	LAT. = 1 45 46.7 LONG. = 71 26 21.3 RAD. = 1736434.0	1.2 1.5 12.7
53006	X = 563918 Y = 1643402 Z = 17605	11 14 9	LAT. = 0 34 49.9 LONG. = 71 3 38.9 RAD. = 1737551.6	1.1 1.4 13.7
5300F	X = 563923 Y = 1643402 Z = 17567	15 22 12	LAT. = 0 34 45.5 LONG. = 71 3 38.4 RAD. = 1737552.8	1.4 1.7 21.7
52895	X = 563178 Y = 1643751 Z = 1219	13 19 11	LAT. = 0 2 24.7 LONG. = 71 5 15.4 RAD. = 1737552.0	1.3 1.6 19.2

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4400J	X = 529122 Y = 1637116 Z = 238470	18 21 15	LAT. = 7 53 28.3 LONG. = 72 5 20.3 RAD. = 1736947.5	2.0 1.9 21.3
22877	X = 521577 Y = 1641950 Z = 223312	12 18 11	LAT. = 7 23 8.1 LONG. = 72 22 37.9 RAD. = 1737213.4	1.2 1.5 17.6
A287G	X = 518222 Y = 1643647 Z = 219214	14 21 12	LAT. = 7 14 56.3 LONG. = 72 30 2.1 RAD. = 1737291.7	1.5 1.7 21.4
43480	X = 526915 Y = 1644381 Z = 192792	12 17 10	LAT. = 6 22 14.7 LONG. = 72 13 58.0 RAD. = 1737468.2	1.2 1.5 16.9
X0945	X = 522961 Y = 1647033 Z = 180699	15 18 13	LAT. = 5 58 10.4 LONG. = 72 23 4.0 RAD. = 1737485.9	1.7 1.6 17.7
43461	X = 514862 Y = 1654444 Z = 137205	12 17 11	LAT. = 4 31 39.1 LONG. = 72 42 50.0 RAD. = 1738129.2	1.3 1.4 17.5
Y1189	X = 526598 Y = 1649752 Z = 119018	13 17 11	LAT. = 3 55 53.6 LONG. = 72 17 49.3 RAD. = 1735843.2	1.4 1.5 17.1
52889	X = 530110 Y = 1652275 Z = 86777	13 16 11	LAT. = 2 51 46.5 LONG. = 72 12 42.7 RAD. = 1737400.7	1.3 1.6 16.3
R2799	X = 531420 Y = 1651089 Z = 50753	24 37 20	LAT. = 1 40 33.7 LONG. = 72 9 31.2 RAD. = 1735245.5	2.4 2.6 38.7
N3224	X = 525970 Y = 1655640 Z = 39806	20 29 17	LAT. = 1 18 45.5 LONG. = 72 22 32.9 RAD. = 1737634.3	2.0 2.2 30.2
5287K	X = 509654 Y = 1660067 Z = 23406	12 18 12	LAT. = 0 46 19.9 LONG. = 72 55 59.1 RAD. = 1736697.1	1.4 1.5 17.6
22489	X = 517996 Y = 1657791 Z = 19807	14 17 13	LAT. = 0 39 12.2 LONG. = 72 38 52.7 RAD. = 1736946.1	1.6 1.5 17.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y1174	X = 522337 Y = 1656238 Z = 2915	11 13 8	LAT. = 0 5 46.2 LONG. = 72 29 45.6 RAD. = 1736654.3	1.0 1.3 12.9
33799	X = 478560 Y = 1658813 Z = 191538	11 14 9	LAT. = 6 19 50.2 LONG. = 73 54 26.6 RAD. = 1737057.4	1.1 1.3 13.6
V4055	X = 493343 Y = 1659156 Z = 167167	13 19 15	LAT. = 5 30 58.5 LONG. = 73 26 25.4 RAD. = 1739002.5	1.7 1.6 19.4
43429	X = 483297 Y = 1664779 Z = 105179	11 15 9	LAT. = 3 28 19.5 LONG. = 73 48 41.8 RAD. = 1736700.7	1.1 1.3 14.9
2214	X = 484050 Y = 1666316 Z = 74786	12 18 10	LAT. = 2 28 4.4 LONG. = 73 48 6.8 RAD. = 1736809.7	1.2 1.5 17.6
N3277	X = 498595 Y = 1662680 Z = 68775	23 39 30	LAT. = 2 16 8.1 LONG. = 73 18 26.4 RAD. = 1737190.7	3.7 2.8 37.4
52867	X = 489046 Y = 1665886 Z = 66499	11 14 8	LAT. = 2 11 36.4 LONG. = 73 38 22.6 RAD. = 1737459.1	1.0 1.3 14.3
Y1149	X = 481212 Y = 1667368 Z = 35153	13 17 10	LAT. = 1 9 37.5 LONG. = 73 54 5.6 RAD. = 1735775.5	1.2 1.5 17.7
2650	X = 484569 Y = 1666459 Z = 23098	12 13 10	LAT. = 0 45 45.1 LONG. = 73 47 12.4 RAD. = 1735634.4	1.2 1.5 12.4
52848	X = 482623 Y = 1667657 Z = 6417	11 14 9	LAT. = 0 12 42.4 LONG. = 73 51 34.1 RAD. = 1736100.4	1.0 1.3 13.6
1768	X = 467048 Y = 1657735 Z = 236733	13 13 11	LAT. = 7 49 35.3 LONG. = 74 15 55.5 RAD. = 1738465.4	1.3 1.6 13.1
4379G	X = 467310 Y = 1658865 Z = 217388	17 22 17	LAT. = 7 11 20.9 LONG. = 74 16 2.0 RAD. = 1737086.7	2.2 1.8 21.9

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
3379G	X = 467425 Y = 1658920 Z = 217260	13 19 12	LAT. = 7 11 4.6 LONG. = 74 15 50.6 RAD. = 1737154.0	1.4 1.6 19.5
33788	X = 453600 Y = 1667742 Z = 181487	11 16 10	LAT. = 5 59 40.2 LONG. = 74 47 4.2 RAD. = 1737830.0	1.2 1.4 16.0
W1188	X = 455027 Y = 1668637 Z = 136900	14 18 13	LAT. = 4 31 32.5 LONG. = 74 44 48.0 RAD. = 1734976.1	1.6 1.5 18.0
43427	X = 468869 Y = 1668066 Z = 129450	17 35 14	LAT. = 4 16 21.4 LONG. = 74 18 .4 RAD. = 1737538.5	1.7 1.8 36.0
X0790	X = 466244 Y = 1668277 Z = 128313	13 17 12	LAT. = 4 14 11.3 LONG. = 74 23 8.1 RAD. = 1736950.4	1.5 1.5 17.6
Y1145	X = 459886 Y = 1672729 Z = 96666	12 16 11	LAT. = 3 11 21.6 LONG. = 74 37 38.7 RAD. = 1737487.3	1.3 1.3 15.6
R2633	X = 473494 Y = 1669115 Z = 69488	18 30 17	LAT. = 2 17 36.7 LONG. = 74 9 44.8 RAD. = 1736367.3	2.1 2.2 29.3
43297	X = 464226 Y = 1672421 Z = 57221	10 13 8	LAT. = 1 53 17.7 LONG. = 74 29 11.6 RAD. = 1736597.5	1.0 1.2 12.9
43299	X = 470853 Y = 1670423 Z = 34452	10 14 8	LAT. = 1 8 14.0 LONG. = 74 15 29.1 RAD. = 1735858.0	1.0 1.3 13.3
33785	X = 426565 Y = 1668836 Z = 225822	11 15 10	LAT. = 7 28 8.4 LONG. = 75 39 42.6 RAD. = 1737229.4	1.2 1.4 14.9
43292	X = 421653 Y = 1677619 Z = 134943	12 18 10	LAT. = 4 27 38.4 LONG. = 75 53 29.5 RAD. = 1735052.1	1.2 1.4 17.8
43298	X = 421579 Y = 1677685 Z = 134641	13 20 16	LAT. = 4 27 2.1 LONG. = 75 53 40.0 RAD. = 1735075.0	1.9 1.6 20.2

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43294	X = 435007 Y = 1674416 Z = 114066	11 15 10	LAT. = 3 46 20.3 LONG. = 75 26 12.2 RAD. = 1733756.0	1.2 1.4 15.0
43295	X = 447260 Y = 1676773 Z = 88065	11 14 9.	LAT. = 2 54 18.2 LONG. = 75 3 53.0 RAD. = 1737631.6	1.1 1.3 13.8
N3015	X = 422231 Y = 1681898 Z = 83108	21 39 21	LAT. = 2 44 37.9 LONG. = 75 54 26.8 RAD. = 1736077.9	2.6 2.6 38.0
Y1115	X = 423226 Y = 1684956 Z = 30349	13 18 9	LAT. = 1 0 2.9 LONG. = 75 54 .7 RAD. = 1737561.3	1.1 1.4 18.7
22751	X = 391716 Y = 1675611 Z = 226001	11 15 9	LAT. = 7 28 55.8 LONG. = 76 50 31.1 RAD. = 1735566.6	1.1 1.3 14.8
1766	X = 396968 Y = 1676079 Z = 213460	13 14 11	LAT. = 7 3 52.3 LONG. = 76 40 31.4 RAD. = 1735623.4	1.3 1.5 13.5
22753	X = 401586 Y = 1677486 Z = 205093	12 18 11	LAT. = 6 46 50.8 LONG. = 76 32 12.9 RAD. = 1737035.4	1.3 1.5 17.8
43289	X = 401807 Y = 1679894 Z = 173311	12 16 10	LAT. = 5 43 47.1 LONG. = 76 32 54.2 RAD. = 1735951.7	1.2 1.4 15.3
3328J	X = 417349 Y = 1677695 Z = 170565	21 40 22	LAT. = 5 38 4.4 LONG. = 76 1 49.7 RAD. = 1737220.0	2.3 3.2 36.9
R2415	X = 405953 Y = 1683038 Z = 141193	21 38 27	LAT. = 4 39 44.4 LONG. = 76 26 20.9 RAD. = 1737052.6	3.4 2.6 36.2
43282	X = 397730 Y = 1687701 Z = 97998	12 16 10	LAT. = 3 14 5.2 LONG. = 76 44 21.9 RAD. = 1736700.0	1.2 1.4 16.6
R2435	X = 397326 Y = 1688044 Z = 96899	19 32 19	LAT. = 3 11 53.3 LONG. = 76 45 18.0 RAD. = 1736879.8	2.3 2.3 31.3

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R2599	X = 397382 Y = 1688518 Z = 74496	24 17 23	LAT. = 2 27 32.8 LONG. = 76 45 24.4 RAD. = 1736247.8	2.7 2.9 15.7
43273	X = 411393 Y = 1686317 Z = 66903	10 13 8	LAT. = 2 12 26.3 LONG. = 76 17 23.9 RAD. = 1737062.3	1.0 1.2 13.2
R2445	X = 400947 Y = 1688425 Z = 59439	19 39 18	LAT. = 1 57 42.1 LONG. = 76 38 29.5 RAD. = 1736395.3	2.1 2.6 37.1
2212	X = 415282 Y = 1684397 Z = 44481	12 12 10	LAT. = 1 28 7.4 LONG. = 76 9 5 RAD. = 1735404.9	1.2 1.4 12.1
N3035	X = 411824 Y = 1687184 Z = 20288	16 21 14	LAT. = 0 40 9.4 LONG. = 76 16 58.5 RAD. = 1736836.1	1.7 1.8 21.1
N3199	X = 410103 Y = 1686893 Z = 11115	24 17 22	LAT. = 0 22 .6 LONG. = 76 20 9.0 RAD. = 1736063.1	2.6 2.8 17.5
K3679	X = 417883 Y = 1684590 Z = 8568	23 41 35	LAT. = 0 16 58.2 LONG. = 76 4 5.9 RAD. = 1735668.3	4.1 2.8 41.0
1074	X = 407504 Y = 1687532 Z = 3252	14 22 12	LAT. = 0 6 26.4 LONG. = 76 25 27.0 RAD. = 1736039.5	1.4 1.6 21.9
R2662	X = 417786 Y = 1684683 Z = 1672	17 22 15	LAT. = 0 3 18.7 LONG. = 76 4 19.8 RAD. = 1735714.9	1.8 1.9 22.6
U4199	X = 367778 Y = 1685180 Z = 201855	13 20 17	LAT. = 6 40 29.4 LONG. = 77 41 19.2 RAD. = 1736616.5	1.9 1.6 20.8
43281	X = 387610 Y = 1689050 Z = 120218	15 19 12	LAT. = 3 58 6.1 LONG. = 77 4 31.2 RAD. = 1737119.8	1.5 1.6 20.3
43193	X = 363671 Y = 1695903 Z = 78493	10 14 9	LAT. = 2 35 28.1 LONG. = 77 53 48.2 RAD. = 1736232.6	1.0 1.2 13.6

TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0989	X = 389434 Y = 1691202 Z = 56731	13 17 13	LAT. = 1 52 20.3 LONG. = 77 1 57.1 RAD. = 1736387.8	1.5 1.5 17.4
43195	X = 373173 Y = 1695310 Z = 50969	10 15 9	LAT. = 1 40 54.5 LONG. = 77 35 9.5 RAD. = 1736644.1	1.1 1.2 15.4
5319H	X = 387505 Y = 1693259 Z = 17253	17 21 17	LAT. = 0 34 8.7 LONG. = 77 6 35.1 RAD. = 1737119.6	2.1 1.8 21.8
4319H	X = 387575 Y = 1693352 Z = 17092	19 35 26	LAT. = 0 33 49.4 LONG. = 77 6 29.4 RAD. = 1737224.1	3.0 1.8 36.4
43198	X = 387578 Y = 1693292 Z = 17057	14 25 13	LAT. = 0 33 45.3 LONG. = 77 6 27.5 RAD. = 1737166.2	1.6 1.9 23.5
B319H	X = 388027 Y = 1692934 Z = 17021	15 21 12	LAT. = 0 33 41.3 LONG. = 77 5 26.1 RAD. = 1736916.7	1.4 1.6 21.6
22718	X = 354990 Y = 1685190 Z = 217936	11 18 12	LAT. = 7 12 44.2 LONG. = 78 6 15.9 RAD. = 1735908.6	1.3 1.4 17.9
A271H	X = 355223 Y = 1685336 Z = 217784	16 42 28	LAT. = 7 12 23.4 LONG. = 78 5 52.1 RAD. = 1736079.3	3.8 1.9 38.6
V3795	X = 346142 Y = 1691974 Z = 173592	12 20 12	LAT. = 5 44 23.4 LONG. = 78 26 16.9 RAD. = 1735719.9	1.3 1.5 20.0
22597	X = 334494 Y = 1694176 Z = 170983	27 74 49	LAT. = 5 39 16.5 LONG. = 78 49 52.7 RAD. = 1735324.9	6.5 4.3 65.7
43189	X = 335994 Y = 1696898 Z = 142771	11 15 10	LAT. = 4 43 5.4 LONG. = 78 48 .1 RAD. = 1735724.4	1.2 1.3 14.4
V3798	X = 353844 Y = 1694485 Z = 120683	12 20 15	LAT. = 3 59 17.0 LONG. = 78 12 17.8 RAD. = 1735237.2	1.7 1.6 20.2

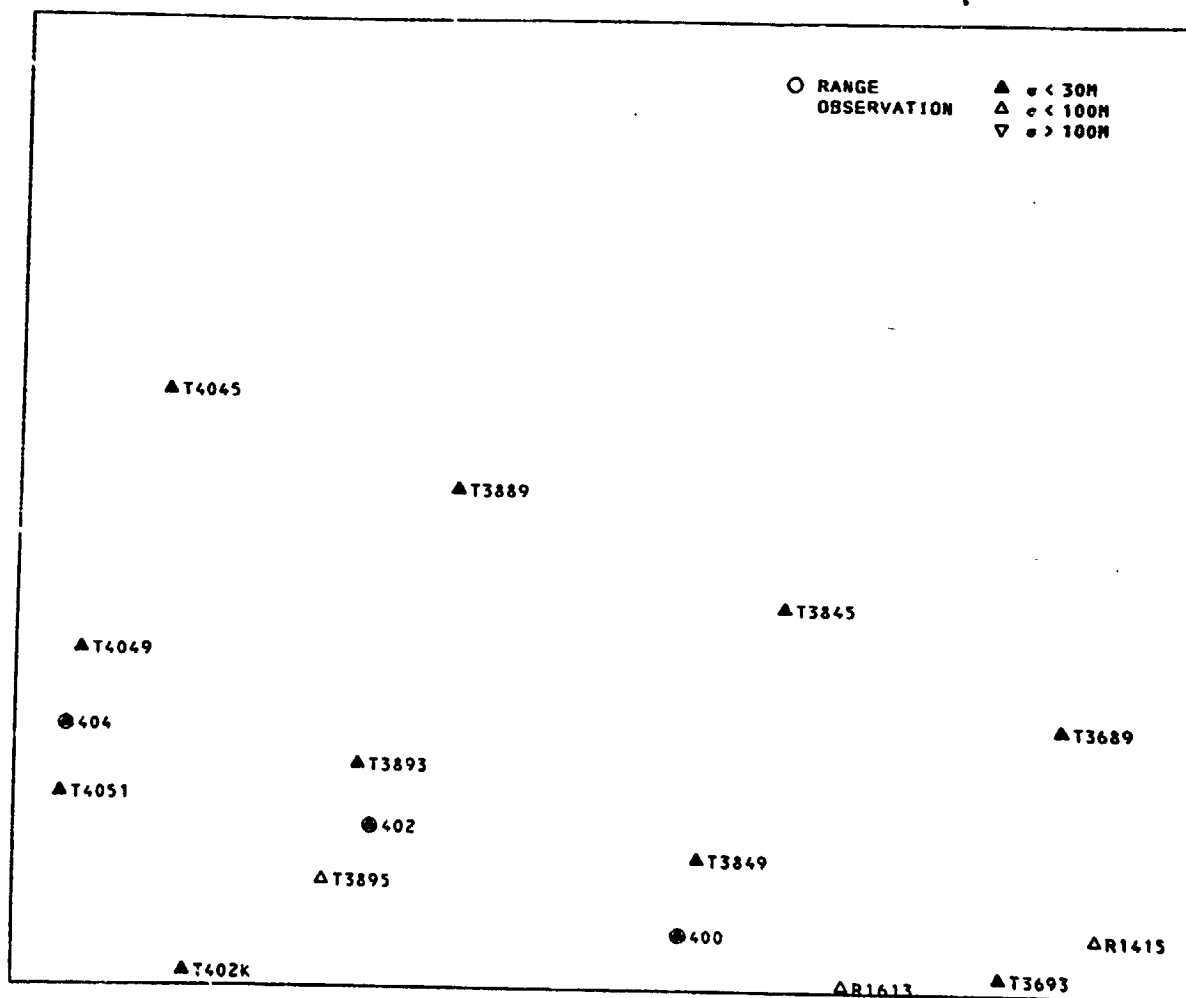
TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
43191	X = 349897 Y = 1696848 Z = 105682	12 19 13	LAT. = 3 29 26.2 LONG. = 78 20 55.3 RAD. = 1735767.9	1.7 1.4 18.5
A3411	X = 343362 Y = 1702730 Z = 36574	17 36 33	LAT. = 1 12 22.4 LONG. = 78 35 56.3 RAD. = 1737390.1	3.9 1.8 37.1
43174	X = 341517 Y = 1703571 Z = 70310	10 14 8	LAT. = 0 59 57.9 LONG. = 78 39 50.8 RAD. = 1737730.3	1.0 1.2 13.6
N3099	X = 336622 Y = 1704771 Z = 22172	15 15 14	LAT. = 0 43 51.7 LONG. = 78 49 48.6 RAD. = 1737829.2	1.7 1.8 15.1
2210	X = 346615 Y = 1702643 Z = 14333	11 12 10	LAT. = 0 28 21.4 LONG. = 78 29 35.8 RAD. = 1737625.5	1.2 1.4 12.0
43175	X = 357819 Y = 1699723 Z = 8065	10 13 8	LAT. = 0 15 57.7 LONG. = 78 6 42.8 RAD. = 1736996.6	1.0 1.2 13.4
K3670	X = 344170 Y = 1705133 Z = 4926	38 67 51	LAT. = 0 9 44.1 LONG. = 78 35 18.7 RAD. = 1739527.6	6.1 3.6 71.2
3259C	X = 307068 Y = 1694629 Z = 219626	23 35 14	LAT. = 7 16 2.6 LONG. = 79 43 45.9 RAD. = 1736171.8	1.7 2.3 37.2
3259E	X = 318478 Y = 1694882 Z = 199425	13 22 12	LAT. = 6 35 46.8 LONG. = 79 21 28.4 RAD. = 1736036.6	1.5 1.6 22.2
1764	X = 327739 Y = 1693153 Z = 188138	12 13 11	LAT. = 6 13 33.2 LONG. = 79 2 41.6 RAD. = 1734812.7	1.3 1.5 12.9
22575	X = 305285 Y = 1700347 Z = 157876	11 18 11	LAT. = 5 13 18.0 LONG. = 79 49 17.0 RAD. = 1734734.4	1.3 1.4 18.0
524	X = 313270 Y = 1703380 Z = 114155	15 22 14	LAT. = 3 46 15.5 LONG. = 79 34 44.8 RAD. = 1735705.1	1.7 1.8 21.9

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TERRAIN POINTS ON MAP SHEET 63D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3012	X = 328298 Y = 1701533 Z = 104945	17 29 18	LAT. = 3 27 56.1 LONG. = 79 4 45.8 RAD. = 1736089.5	2.2 2.0 27.9
43170	X = 316441 Y = 1705062 Z = 87151	10 13 8	LAT. = 2 52 37.1 LONG. = 79 29 10.1 RAD. = 1736365.8	1.0 1.1 12.5
W0988	X = 317514 Y = 1705528 Z = 73549	13 17 12	LAT. = 2 25 39.4 LONG. = 79 27 14.8 RAD. = 1736389.7	1.5 1.4 17.3
Y0945	X = 320729 Y = 1707191 Z = 28673	13 17 13	LAT. = 0 56 44.4 LONG. = 79 21 35.7 RAD. = 1737294.1	1.6 1.4 17.4
43152	X = 309718 Y = 1709185 Z = 14869	9 14 8	LAT. = 0 29 25.6 LONG. = 79 43 44.4 RAD. = 1737083.3	1.0 1.1 13.4



MAP SHEET 64A

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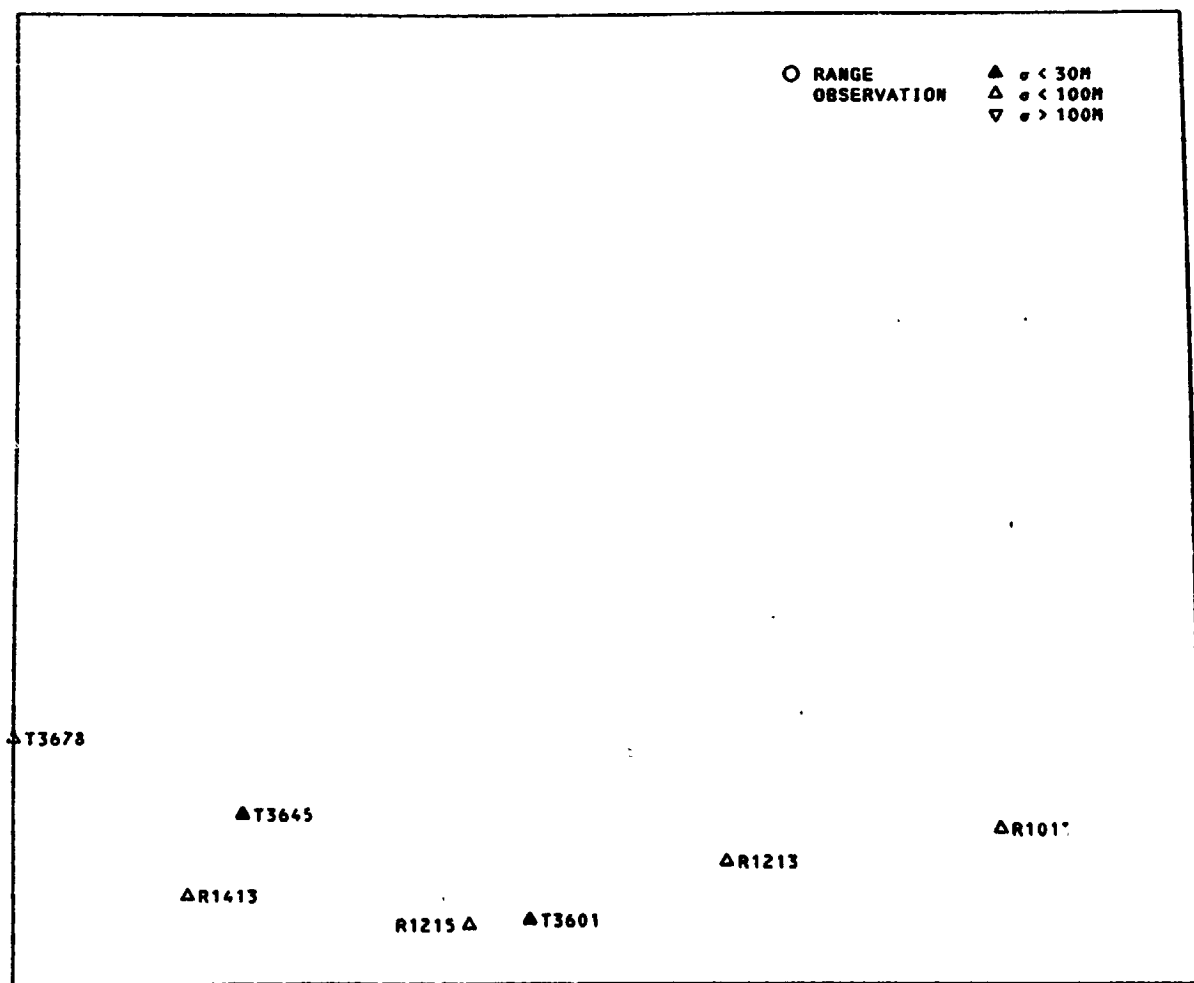
TERRAIN POINTS ON MAP SHEET 64A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T4049	X = -16418 Y = 1704618 Z = 324497	13 23 13	LAT. = 10 46 39.3 LONG. = 90 33 6.6 RAD. = 1735306.6	1.6 1.5 22.4
404	X = -12962 Y = 1708203 Z = 306051	13 16 13	LAT. = 10 9 26.5 LONG. = 90 26 5.1 RAD. = 1735451.8	1.5 1.5 16.5
T4051	X = -11786 Y = 1712061 Z = 289300	12 22 14	LAT. = 9 35 27.2 LONG. = 90 23 39.9 RAD. = 1736371.2	1.5 1.5 22.2
T4045	X = -37612 Y = 1691122 Z = 388155	13 24 15	LAT. = 12 55 25.8 LONG. = 91 16 26.8 RAD. = 1735503.3	2.1 1.6 22.4
T402K	X = -43623 Y = 1717059 Z = 244927	11 21 15	LAT. = 8 6 55.8 LONG. = 91 27 19.1 RAD. = 1734988.2	2.0 1.4 20.1
T3893	X = -87471 Y = 1707521 Z = 296564	13 22 13	LAT. = 9 50 25.0 LONG. = 92 55 57.1 RAD. = 1735289.6	1.5 1.5 21.9
T3895	X = -78776 Y = 1711080 Z = 267646	15 34 18	LAT. = 8 52 51.1 LONG. = 92 38 9.5 RAD. = 1733677.1	1.8 1.9 35.2
T3889	X = -111700 Y = 1693050 Z = 364289	13 24 16	LAT. = 12 7 3.0 LONG. = 93 46 28.7 RAD. = 1735396.8	2.1 1.6 22.0
402	X = -90952 Y = 1710284 Z = 281408	12 17 13	LAT. = 9 19 50.5 LONG. = 93 2 38.8 RAD. = 1735665.1	1.5 1.5 16.6
T3849	X = -173831 Y = 1705089 Z = 273941	13 23 13	LAT. = 9 4 51.3 LONG. = 95 49 16.0 RAD. = 1735680.9	1.5 1.5 22.4
400	X = -169406 Y = 1708476 Z = 255307	13 16 13	LAT. = 8 27 29.8 LONG. = 95 39 45.8 RAD. = 1735733.0	1.5 1.5 16.5
T3845	X = -194728 Y = 1692430 Z = 336026	13 24 15	LAT. = 11 9 29.1 LONG. = 96 33 48.5 RAD. = 1736419.3	2.0 1.6 22.4

TERRAIN POINTS ON MAP SHEET 64A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1613	X = -210550	21	LAT. = 8 3 4.9	3.5
	Y = 1706289	38	LONG. = 97 2 4.4	2.5
	Z = 243194	26	RAD. = 1736346.0	35.7
T3689	X = -264285	13	LAT. = 10 10 29.5	2.0
	Y = 1690226	23	LONG. = 98 53 12.7	1.6
	Z = 307040	15	RAD. = 1738098.2	22.1
T3693	X = -249731	13	LAT. = 8 7 49.5	1.5
	Y = 1702927	22	LONG. = 98 20 34.3	1.5
	Z = 245887	13	RAD. = 1738615.9	22.1
R1415	X = -273418	22	LAT. = 8 27 37.3	3.6
	Y = 1697033	37	LONG. = 99 9 9.3	2.5
	Z = 255678	27	RAD. = 1737828.8	35.0

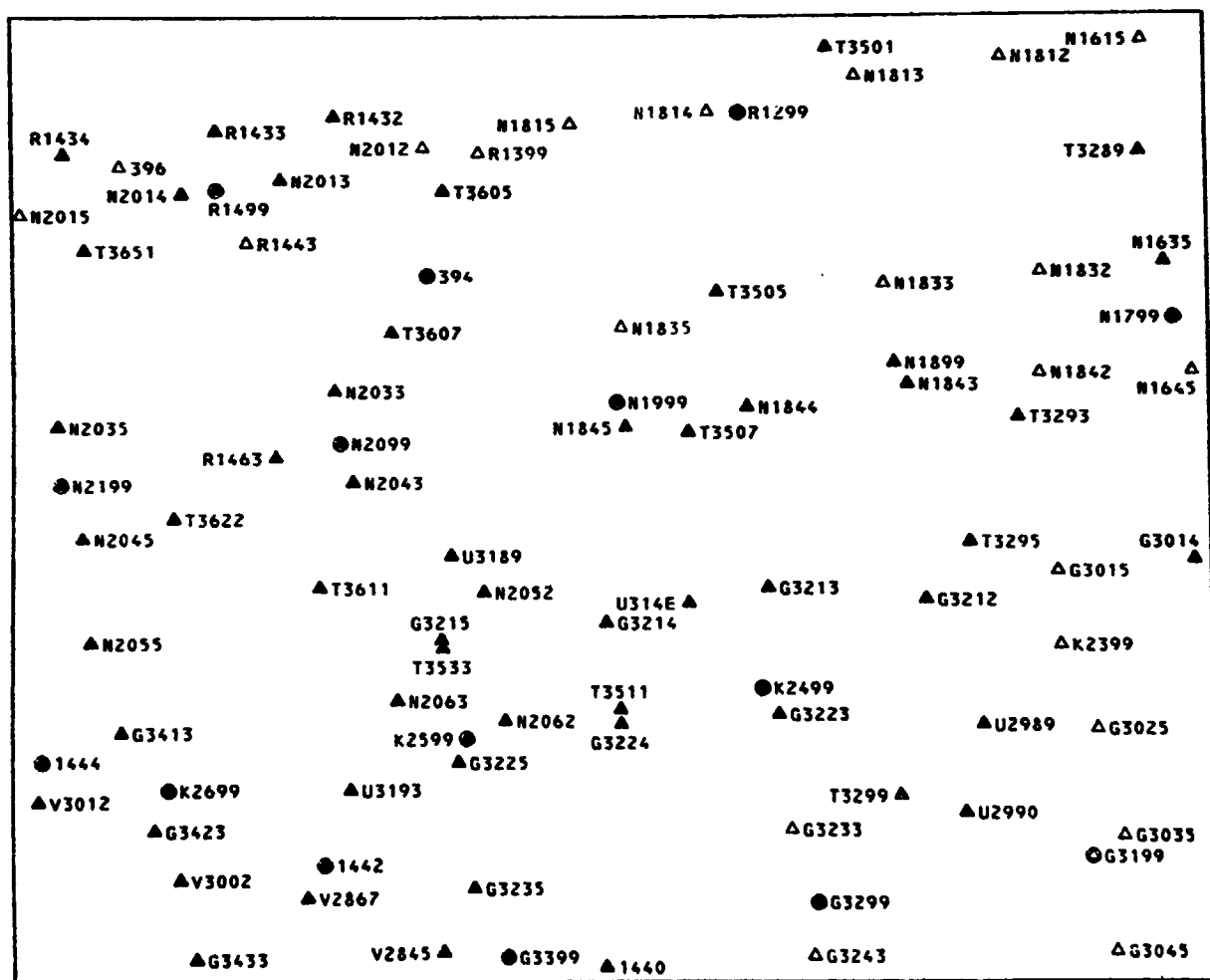
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MAP SHEET 64B

TERRAIN POINTS ON MAP SHEET 64B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T3678	X = -296747 Y = 1682665 Z = 302825	15 38 23	LAT. = 10 3 1.1 LONG. = 100 0 5.6 RAD. = 1735258.7	3.3 1.8 34.9
T3645	X = -354236 Y = 1677318 Z = 283961	13 24 16	LAT. = 9 24 18.5 LONG. = 101 55 30.6 RAD. = 1737674.9	2.1 1.7 22.5
R1413	X = -341148 Y = 1682874 Z = 263789	23 37 26	LAT. = 8 44 1.4 LONG. = 101 27 34.4 RAD. = 1737248.2	3.5 2.6 35.7
R1215	X = -410913 Y = 1669308 Z = 256635	23 38 24	LAT. = 8 29 25.7 LONG. = 103 49 43.9 RAD. = 1738183.2	3.2 2.6 36.3
T3601	X = -425381 Y = 1663637 Z = 257581	14 23 16	LAT. = 8 31 51.6 LONG. = 104 20 34.3 RAD. = 1736371.4	2.1 1.7 21.8
R1213	X = -473335 Y = 1649503 Z = 272077	25 38 26	LAT. = 9 0 32.6 LONG. = 106 0 40.2 RAD. = 1737507.8	3.4 2.8 37.2
R1015	X = -538438 Y = 1626527 Z = 279750	26 41 27	LAT. = 9 16 24.0 LONG. = 108 18 59.0 RAD. = 1736020.4	3.6 3.0 39.4



○ RANGE
OBSERVATION ▲ • < 30M
 ▲ • < 100M
 ▼ • > 100M

MAP SHEET 64C

TERRAIN POINTS ON MAP SHEET 64C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1434	X = -311737 Y = 1694400 Z = 207502	18 31 20	LAT. = 6 52 3.8 LONG. = 100 25 29.1 RAD. = 1735289.0	2.6 2.1 29.9
396	X = -326378 Y = 1695213 Z = 204921	20 32 14	LAT. = 6 46 10.1 LONG. = 100 53 52.0 RAD. = 1738465.8	1.7 2.0 33.9
N2015	X = -301623 Y = 1699047 Z = 192727	20 30 19	LAT. = 6 22 21.8 LONG. = 100 3 59.6 RAD. = 1736341.3	2.4 2.3 30.2
T3651	X = -317895 Y = 1698288 Z = 184023	13 22 13	LAT. = 6 4 46.3 LONG. = 100 36 8.2 RAD. = 1737556.7	1.5 1.5 22.4
N2035	X = -311612 Y = 1703217 Z = 139875	18 28 18	LAT. = 4 37 6.7 LONG. = 100 22 4.4 RAD. = 1737128.6	2.0 2.1 28.8
N2199	X = -312688 Y = 1704554 Z = 125448	17 16 16	LAT. = 4 8 25.1 LONG. = 100 23 41.7 RAD. = 1737531.3	1.8 1.9 16.8
N2045	X = -318543 Y = 1705664 Z = 112008	20 28 18	LAT. = 3 41 36.4 LONG. = 100 34 42.5 RAD. = 1738765.0	2.2 2.2 29.0
N2055	X = -320746 Y = 1705858 Z = 85818	17 23 15	LAT. = 2 49 49.8 LONG. = 100 38 55.6 RAD. = 1737870.9	1.8 2.0 23.4
G3413	X = -328465 Y = 1705965 Z = 63409	16 21 15	LAT. = 2 5 2.1 LONG. = 100 53 55.9 RAD. = 1738455.3	1.7 1.9 21.4
1444	X = -309017 Y = 1709933 Z = 56430	13 14 12	LAT. = 1 51 36.2 LONG. = 100 14 37.9 RAD. = 1738546.9	1.4 1.5 13.8
V3012	X = -308171 Y = 1710465 Z = 46374	10 16 9	LAT. = 1 31 42.3 LONG. = 100 12 47.8 RAD. = 1738623.1	1.1 1.2 15.7
R1433	X = -349661 Y = 1688919 Z = 213601	18 29 18	LAT. = 7 3 35.6 LONG. = 101 41 43.6 RAD. = 1737911.5	2.3 2.2 28.7

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1499	X = -350106 Y = 1690562 Z = 198988	18 20 17	LAT. = 6 34 29.6 LONG. = 101 42 .8 RAD. = 1737863.6	2.0 2.2 19.8
N2014	X = -341538 Y = 1692604 Z = 198000	19 29 17	LAT. = 6 32 29.2 LONG. = 101 24 29.2 RAD. = 1738033.3	2.1 2.2 28.6
R1443	X = -358116 Y = 1691717 Z = 185882	21 32 18	LAT. = 6 8 7.7 LONG. = 101 57 8.5 RAD. = 1739168.2	2.2 2.3 33.0
T3622	X = -340756 Y = 1700627 Z = 116731	11 16 10	LAT. = 3 51 1.2 LONG. = 101 19 49.2 RAD. = 1738353.7	1.2 1.3 15.4
K2699	X = -340196 Y = 1704853 Z = 49013	16 16 15	LAT. = 1 36 53.8 LONG. = 101 17 5.6 RAD. = 1739154.7	1.8 1.9 16.4
G3423	X = -336741 Y = 1705924 Z = 38809	18 27 17	LAT. = 1 16 42.8 LONG. = 101 9 58.9 RAD. = 1739274.6	2.0 2.1 27.5
V3002	X = -343079 Y = 1704916 Z = 26424	12 20 14	LAT. = 0 52 13.8 LONG. = 101 22 39.5 RAD. = 1739292.5	1.7 1.5 19.3
G3433	X = -347121 Y = 1705431 Z = 6387	17 27 16	LAT. = 0 12 37.0 LONG. = 101 30 17.0 RAD. = 1740410.1	2.0 2.1 27.1
R1432	X = -378605 Y = 1682005 Z = 217034	19 30 20	LAT. = 7 10 29.4 LONG. = 102 41 7.3 RAD. = 1737695.6	2.6 2.2 29.6
N2013	X = -365940 Y = 1687288 Z = 201427	20 29 18	LAT. = 6 39 16.0 LONG. = 102 14 12.6 RAD. = 1738225.4	2.3 2.2 29.3
N2033	X = -379749 Y = 1687192 Z = 148358	17 24 16	LAT. = 4 54 11.4 LONG. = 102 41 4.6 RAD. = 1735752.9	1.9 2.0 24.4
N2099	X = -381254 Y = 1687989 Z = 135327	17 18 16	LAT. = 4 28 17.3 LONG. = 102 43 38.8 RAD. = 1735792.2	1.9 2.0 18.2

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1463	X = -365299 Y = 1691781 Z = 131880	18 29 20	LAT. = 4 21 26.6 LONG. = 102 11 4.5 RAD. = 1735787.6	2.3 2.2 29.3
N2043	X = -384562 Y = 1688169 Z = 125505	17 24 16	LAT. = 4 8 45.4 LONG. = 102 49 58.4 RAD. = 1735959.0	1.9 2.0 24.3
T3611	X = -377235 Y = 1695105 Z = 99249	11 16 11	LAT. = 3 16 15.7 LONG. = 102 32 46.9 RAD. = 1739407.1	1.2 1.4 15.9
U3193	X = -384614 Y = 1693725 Z = 48464	13 21 11	LAT. = 1 35 54.0 LONG. = 102 47 37.9 RAD. = 1737521.7	1.3 1.5 20.8
1442	X = -378245 Y = 1695906 Z = 29752	12 14 11	LAT. = 0 58 51.5 LONG. = 102 34 23.2 RAD. = 1737829.0	1.3 1.5 14.1
V2867	X = -374403 Y = 1698342 Z = 21475	11 16 10	LAT. = 0 42 26.8 LONG. = 102 25 55.7 RAD. = 1739254.0	1.2 1.3 16.1
N2012	X = -400715 Y = 1676953 Z = 209157	21 37 20	LAT. = 6 55 .1 LONG. = 103 26 20.6 RAD. = 1736804.8	2.6 2.4 36.5
R1399	X = -414295 Y = 1673704 Z = 207708	23 35 20	LAT. = 6 52 8.5 LONG. = 103 54 11.0 RAD. = 1736683.0	2.5 2.5 35.4
T3605	X = -405774 Y = 1676920 Z = 198199	14 22 13	LAT. = 6 33 11.6 LONG. = 103 36 9.8 RAD. = 1736662.7	1.5 1.6 21.6
394	X = -402316 Y = 1679766 Z = 177201	14 16 13	LAT. = 5 51 26.9 LONG. = 103 28 8.5 RAD. = 1736339.0	1.5 1.6 16.3
T3607	X = -393834 Y = 1683641 Z = 162980	14 21 13	LAT. = 5 23 4.7 LONG. = 103 9 56.8 RAD. = 1736753.6	1.5 1.6 21.6
U3189	X = -409727 Y = 1686997 Z = 107187	12 22 15	LAT. = 3 31 59.1 LONG. = 103 39 4.7 RAD. = 1739345.9	1.9 1.6 20.6

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TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2052	X = -417651 Y = 1684963 Z = 97910	19 26 16	LAT. = 3 13 41.3 LONG. = 103 55 16.7 RAD. = 1738711.6	2.0 2.1 25.9
G3215	X = -407118 Y = 1687616 Z = 85902	18 24 16	LAT. = 2 49 58.1 LONG. = 103 33 46.2 RAD. = 1738152.3	1.9 2.0 24.2
T3533	X = -407364 Y = 1687520 Z = 83818	11 16 10	LAT. = 2 45 51.2 LONG. = 103 34 17.3 RAD. = 1738014.8	1.2 1.4 15.7
N2063	X = -396232 Y = 1690826 Z = 70698	17 23 15	LAT. = 2 19 52.4 LONG. = 103 11 19.7 RAD. = 1738071.0	1.8 2.0 23.0
K2599	X = -412856 Y = 1685390 Z = 61150	18 18 16	LAT. = 2 1 5.8 LONG. = 103 45 51.3 RAD. = 1736297.2	1.9 2.1 18.7
G3225	X = -410853 Y = 1686165 Z = 55064	19 25 17	LAT. = 1 49 2.1 LONG. = 103 41 38.1 RAD. = 1736371.1	2.0 2.2 25.6
G3235	X = -415373 Y = 1688807 Z = 23537	19 28 17	LAT. = 0 46 31.3 LONG. = 103 49 4.7 RAD. = 1739298.2	2.0 2.2 28.7
V2845	X = -408132 Y = 1692195 Z = 7546	11 16 10	LAT. = 0 14 54.1 LONG. = 103 33 35.7 RAD. = 1740733.4	1.2 1.3 16.1
N1815	X = -436876 Y = 1667592 Z = 214908	21 31 19	LAT. = 7 6 22.2 LONG. = 104 40 49.5 RAD. = 1737213.3	2.4 2.4 30.6
G3214	X = -447788 Y = 1676902 Z = 90080	19 26 16	LAT. = 2 58 15.4 LONG. = 104 57 3.6 RAD. = 1737996.0	1.9 2.2 25.9
N2062	X = -422432 Y = 1682825 Z = 65477	19 26 17	LAT. = 2 9 40.4 LONG. = 104 5 29.5 RAD. = 1736270.3	2.0 2.2 26.4
G3399	X = -423799 Y = 1687620 Z = 6210	19 20 17	LAT. = 0 12 16.1 LONG. = 104 5 48.3 RAD. = 1740030.8	2.0 2.2 19.7

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1440	X = -447914 Y = 1680740 Z = 3633	13 21 11	LAT. = 0 7 10.8 LONG. = 104 55 20.7 RAD. = 1739404.3	1.3 1.5 20.8
N1814	X = -470709 Y = 1659251 Z = 218055	23 41 24	LAT. = 7 12 20.1 LONG. = 105 50 16.7 RAD. = 1738456.2	3.1 2.9 39.2
T3505	X = -473720 Y = 1662605 Z = 172894	15 22 13	LAT. = 5 42 40.1 LONG. = 105 54 13.1 RAD. = 1737399.5	1.6 1.7 22.4
N1835	X = -450611 Y = 1670193 Z = 164042	20 30 18	LAT. = 5 25 1.2 LONG. = 105 5 55.2 RAD. = 1737672.4	2.1 2.4 30.1
N1999	X = -449642 Y = 1671350 Z = 145294	20 19 17	LAT. = 4 47 54.9 LONG. = 105 3 27.7 RAD. = 1736865.1	2.1 2.3 19.8
N1845	X = -451760 Y = 1671255 Z = 139026	19 25 17	LAT. = 4 35 28.5 LONG. = 105 7 34.4 RAD. = 1736810.0	1.9 2.2 25.3
T3507	X = -467220 Y = 1667553 Z = 137781	15 22 13	LAT. = 4 32 56.0 LONG. = 105 39 7.1 RAD. = 1737242.1	1.5 1.7 22.4
U314E	X = -467955 Y = 1671113 Z = 95001	14 22 18	LAT. = 3 8 .3 LONG. = 105 38 37.1 RAD. = 1737994.6	2.2 1.8 21.3
T3511	X = -451029 Y = 1675854 Z = 68214	12 15 10	LAT. = 2 15 3.2 LONG. = 105 3 47.9 RAD. = 1736826.3	1.2 1.4 15.4
G3224	X = -451105 Y = 1675970 Z = 64562	20 26 19	LAT. = 2 7 49.1 LONG. = 105 3 53.0 RAD. = 1736819.2	2.2 2.3 26.6
T3501	X = -498081 Y = 1645647 Z = 233617	15 25 17	LAT. = 7 44 15.3 LONG. = 106 50 21.3 RAD. = 1735170.3	2.2 1.9 23.0
R1299	X = -477604 Y = 1654686 Z = 217573	21 23 18	LAT. = 7 12 .5 LONG. = 106 6 .4 RAD. = 1735922.6	2.2 2.5 22.8

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1844	X = -481661 Y = 1663379 Z = 144015	19 24 16	LAT. = 4 45 14.3 LONG. = 106 8 57.6 RAD. = 1737690.3	1.9 2.2 23.8
G3213	X = -487251 Y = 1665481 Z = 98733	19 26 16	LAT. = 3 15 23.2 LONG. = 106 18 26.3 RAD. = 1738099.0	2.0 2.3 25.7
K2499	X = -485994 Y = 1667382 Z = 73571	21 21 19	LAT. = 2 25 32.3 LONG. = 106 14 59.6 RAD. = 1738322.9	2.2 2.5 21.1
G3223	X = -490020 Y = 1666621 Z = 66935	20 27 18	LAT. = 2 12 23.6 LONG. = 106 23 3.8 RAD. = 1738455.1	2.1 2.4 27.8
G3233	X = -493138 Y = 1667101 Z = 38054	23 33 19	LAT. = 1 15 14.2 LONG. = 106 28 42.7 RAD. = 1738924.5	2.3 2.6 34.1
G3299	X = -499307 Y = 1665044 Z = 19843	21 21 18	LAT. = 0 39 14.4 LONG. = 106 41 33.8 RAD. = 1738410.4	2.1 2.5 21.4
G3243	X = -498339 Y = 1665503 Z = 6433	21 31 20	LAT. = 0 12 43.3 LONG. = 106 39 28.2 RAD. = 1738471.5	2.4 2.5 30.7
N1813	X = -504943 Y = 1643557 Z = 226426	23 33 21	LAT. = 7 30 7.8 LONG. = 107 4 41.9 RAD. = 1734219.2	2.6 2.6 33.0
N1833	X = -513931 Y = 1649910 Z = 174731	22 31 19	LAT. = 5 46 25.1 LONG. = 107 18 4.7 RAD. = 1736911.1	2.2 2.6 31.7
N1899	X = -517242 Y = 1652307 Z = 155043	22 27 18	LAT. = 5 7 1.7 LONG. = 107 22 56.4 RAD. = 1738303.2	2.1 2.5 27.9
N1843	X = -520511 Y = 1651642 Z = 149723	20 27 17	LAT. = 4 56 29.2 LONG. = 107 29 31.6 RAD. = 1738180.3	2.0 2.4 26.6
T3295	X = -535585 Y = 1648736 Z = 110033	17 24 14	LAT. = 3 37 54.7 LONG. = 107 59 46.2 RAD. = 1737034.3	1.6 1.9 25.1

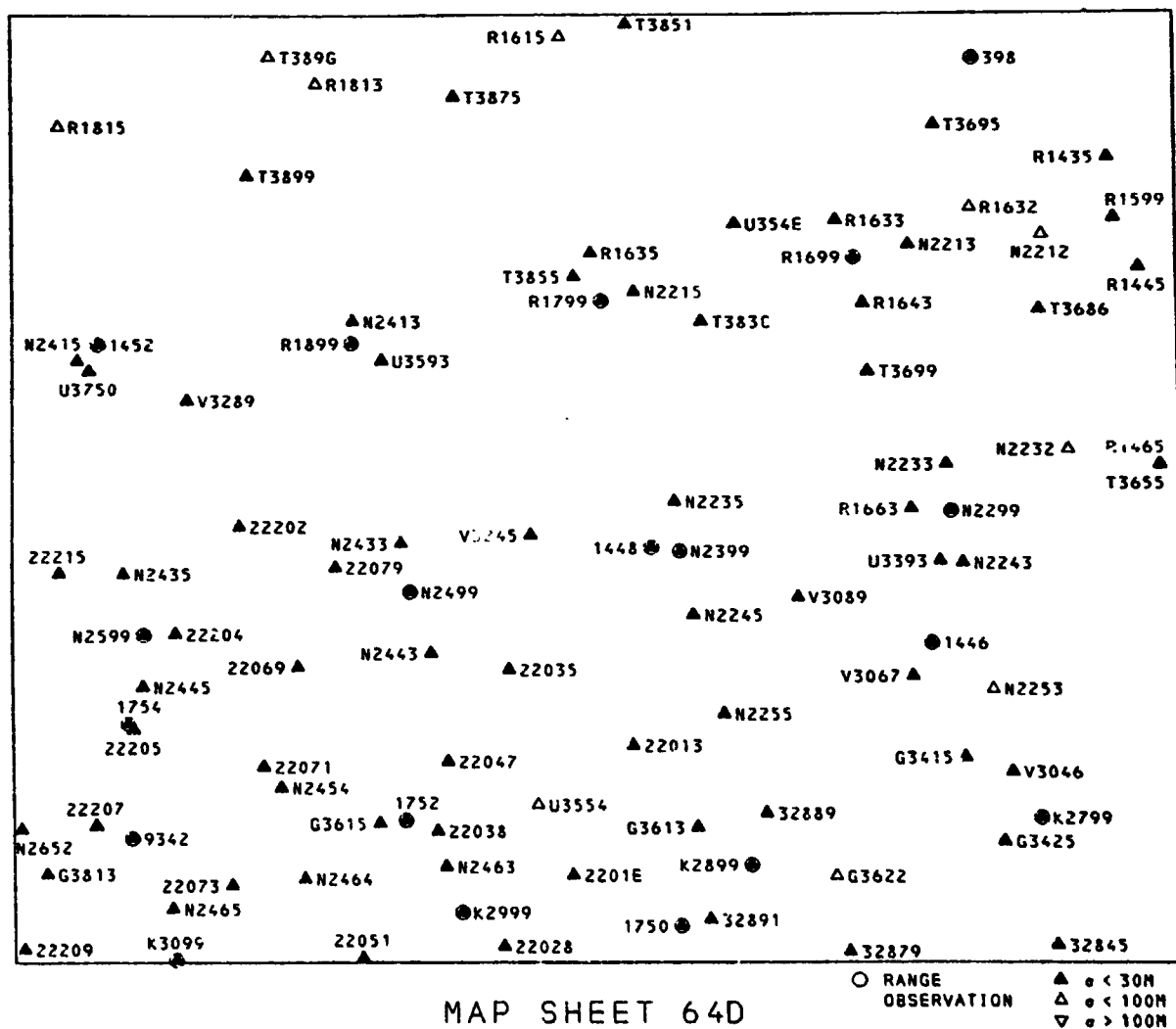
TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3212	X = -525930 Y = 1655480 Z = 95779	20 27 17	LAT. = 3 9 22.0 LONG. = 107 37 28.4 RAD. = 1739652.3	2.0 2.4 27.0
T3299	X = -519501 Y = 1658307 Z = 46484	18 23 19	LAT. = 1 31 56.1 LONG. = 107 23 39.5 RAD. = 1738396.6	2.2 1.9 24.8
U2990	X = -534650 Y = 1651726 Z = 42175	14 23 15	LAT. = 1 23 29.7 LONG. = 107 56 10.9 RAD. = 1736613.9	1.8 1.7 22.4
N1812	X = -540293 Y = 1533621 Z = 231210	25 35 21	LAT. = 7 39 11.5 LONG. = 108 18 2.8 RAD. = 1736113.6	2.5 2.8 35.2
N1832	X = -551596 Y = 1638180 Z = 177768	22 32 20	LAT. = 5 52 18.4 LONG. = 108 36 32.5 RAD. = 1737669.4	2.3 2.7 32.0
N1842	X = -552283 Y = 1641535 Z = 152495	24 33 20	LAT. = 5 1 54.5 LONG. = 108 35 42.5 RAD. = 1738650.8	2.4 2.7 32.9
T3293	X = -547466 Y = 1644834 Z = 141513	17 24 13	LAT. = 4 40 .6 LONG. = 108 24 34.2 RAD. = 1739316.8	1.5 1.9 24.7
G3015	X = -557538 Y = 1644636 Z = 102855	26 31 20	LAT. = 3 23 22.5 LONG. = 108 43 36.8 RAD. = 1739613.3	2.3 2.8 32.0
K2399	X = -558140 Y = 1645042 Z = 84251	30 40 24	LAT. = 2 46 35.9 LONG. = 108 44 29.0 RAD. = 1739190.0	2.8 3.1 42.2
U2989	X = -539082 Y = 1650739 Z = 64208	14 23 17	LAT. = 2 7 3.1 LONG. = 108 5 7.8 RAD. = 1737719.8	2.1 1.7 22.2
G3199	X = -565118 Y = 1644082 Z = 31229	26 26 24	LAT. = 1 1 44.8 LONG. = 108 58 9.5 RAD. = 1738775.2	2.9 3.2 25.4
N1615	X = -573926 Y = 1623346 Z = 235537	24 33 21	LAT. = 7 47 22.1 LONG. = 109 28 14.9 RAD. = 1737850.0	2.7 2.8 32.9

TERRAIN POINTS ON MAP SHEET 64C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T3289	X = -573973 Y = 1626360 Z = 207515	16 27 17	LAT. = 6 51 39.3 LONG. = 109 26 20.0 RAD. = 1737111.2	2.2 2.1 25.0
N1635	X = -580113 Y = 1625949 Z = 179927	23 28 18	LAT. = 5 57 .6 LONG. = 109 38 8.2 RAD. = 1735689.1	2.1 2.7 28.4
N1799	X = -582688 Y = 1626833 Z = 166027	23 24 18	LAT. = 5 29 17.0 LONG. = 109 42 22.2 RAD. = 1735994.1	2.1 2.7 23.7
N1645	X = -588597 Y = 1629630 Z = 152937	26 33 21	LAT. = 5 2 39.2 LONG. = 109 51 32.2 RAD. = 1739405.1	2.5 3.0 33.0
G3014	X = -588642 Y = 1629615 Z = 105467	23 29 18	LAT. = 3 28 59.8 LONG. = 109 51 37.8 RAD. = 1735876.3	2.1 2.8 29.4
G3025	X = -566877 Y = 1643770 Z = 63290	23 33 18	LAT. = 2 5 4.6 LONG. = 109 1 38.8 RAD. = 1739924.1	2.2 2.7 32.6
G3035	X = -572298 Y = 1640236 Z = 36407	23 34 19	LAT. = 1 12 2.1 LONG. = 109 14 4.2 RAD. = 1737591.7	2.3 2.8 33.3
G3045	X = -570869 Y = 1642826 Z = 7464	23 33 22	LAT. = 0 14 45.2 LONG. = 109 9 43.0 RAD. = 1739202.9	2.6 2.7 32.8

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TERRAIN POINTS ON MAP SHEET 64D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1815	X = -12318 Y = 1722304 Z = 213483	37 71 39	LAT. = 7 3 56.5 LONG. = 90 24 35.2 RAD. = 1735527.8	5.5 4.3 66.5
1452	X = -22305 Y = 1727189 Z = 158150	11 12 11	LAT. = 5 13 52.5 LONG. = 90 44 23.5 RAD. = 1734558.0	1.3 1.3 12.1
N2415	X = -17154 Y = 1726840 Z = 153942	15 25 16	LAT. = 5 5 38.4 LONG. = 90 34 9.0 RAD. = 1733773.4	2.0 1.8 24.3
U3750	X = -20152 Y = 1727172 Z = 151325	11 20 11	LAT. = 5 0 24.6 LONG. = 90 40 6.6 RAD. = 1733905.9	1.3 1.3 20.2
22215	X = -12220 Y = 1730804 Z = 99641	8 14 8	LAT. = 3 17 41.1 LONG. = 90 24 16.3 RAD. = 1733712.5	1.0 1.0 13.9
N2435	X = -28851 Y = 1730481 Z = 99435	16 27 17	LAT. = 3 17 17.5 LONG. = 90 57 18.6 RAD. = 1733575.9	2.0 1.9 27.3
1754	X = -29988 Y = 1732508 Z = 61228	10 10 10	LAT. = 2 1 25.4 LONG. = 90 59 29.9 RAD. = 1733848.9	1.2 1.2 10.4
22207	X = -21440 Y = 1733320 Z = 35069	8 12 8	LAT. = 1 9 32.4 LONG. = 90 42 31.2 RAD. = 1733807.1	.9 .9 12.4
N2652	X = -1928 Y = 1733335 Z = 34235	17 28 17	LAT. = 1 7 53.4 LONG. = 90 3 49.4 RAD. = 1733674.0	2.0 2.0 27.7
G3813	X = -8581 Y = 1733486 Z = 22679	15 23 15	LAT. = 0 44 58.4 LONG. = 90 17 1.0 RAD. = 1733655.3	1.8 1.8 22.7
22209	X = -2481 Y = 1733734 Z = 3433	10 16 9	LAT. = 0 6 48.4 LONG. = 90 4 55.1 RAD. = 1733739.3	1.1 1.2 15.7
V3209	X = -45666 Y = 1727366 Z = 143611	10 20 14	LAT. = 4 45 3.3 LONG. = 91 30 51.7 RAD. = 1733926.6	1.8 1.3 18.7

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22202	X = -59193 Y = 1729101 Z = 111321	8 13 8	LAT. = 3 40 53.5 LONG. = 91 57 38.4 RAD. = 1733692.1	1.0 .9 12.7
22204	X = -42411 Y = 1731212 Z = 83990	8 13 8	LAT. = 2 46 36.1 LONG. = 91 24 12.0 RAD. = 1733767.3	1.0 1.0 13.4
N2599	X = -34057 Y = 1731272 Z = 83796	15 14 15	LAT. = 2 46 13.8 LONG. = 91 7 37.0 RAD. = 1733633.8	1.8 1.8 13.7
N2445	X = -33791 Y = 1732115 Z = 70583	14 19 14	LAT. = 2 19 58.9 LONG. = 91 7 3.4 RAD. = 1733881.6	1.6 1.6 18.6
22205	X = -31380 Y = 1732585 Z = 59671	8 13 8	LAT. = 1 58 19.9 LONG. = 91 2 15.3 RAD. = 1733896.7	.9 .9 12.6
9342	X = -30839 Y = 1733210 Z = 31824	11 11 11	LAT. = 1 3 6.3 LONG. = 91 1 9.7 RAD. = 1733776.4	1.3 1.4 11.0
22073	X = -56855 Y = 1733014 Z = 19681	8 13 8	LAT. = 0 39 1.1 LONG. = 91 52 44.5 RAD. = 1734058.1	.9 .9 12.9
N2465	X = -41353 Y = 1733289 Z = 13717	17 24 18	LAT. = 0 27 11.8 LONG. = 91 22 .1 RAD. = 1733836.8	2.1 2.0 23.6
K3099	X = -42078 Y = 1733340 Z = 661	14 13 14	LAT. = 0 1 18.6 LONG. = 91 23 26.3 RAD. = 1733850.8	1.6 1.6 13.2
T3896	X = -66936 Y = 1718059 Z = 231022	12 37 23	LAT. = 7 39 9.7 LONG. = 92 13 52.0 RAD. = 1734813.3	3.2 1.5 34.2
R1813	X = -79315 Y = 1719375 Z = 224234	20 38 27	LAT. = 7 25 21.1 LONG. = 92 38 28.3 RAD. = 1735748.4	3.5 2.4 35.8
T3899	X = -61445 Y = 1722305 Z = 200836	10 16 11	LAT. = 6 38 49.1 LONG. = 92 2 35.6 RAD. = 1735063.7	1.3 1.2 16.0

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2413	X = -89143 Y = 1725841 Z = 163798	15 24 16	LAT. = 5 24 52.2 LONG. = 92 57 24.6 RAD. = 1735887.0	2.0 1.8 24.0
R1899	X = -88768 Y = 1726111 Z = 158174	16 16 16	LAT. = 5 13 43.9 LONG. = 92 56 38.2 RAD. = 1735614.8	1.9 1.9 16.0
22079	X = -84240 Y = 1729577 Z = 100860	8 13 8	LAT. = 3 20 .5 LONG. = 92 47 18.3 RAD. = 1734562.1	1.0 .9 12.9
22069	X = -74321 Y = 1730484 Z = 75432	9 17 9	LAT. = 2 29 37.2 LONG. = 92 27 33.2 RAD. = 1733720.6	1.1 1.0 16.7
22071	X = -65336 Y = 1731783 Z = 49980	9 14 9	LAT. = 1 39 7.1 LONG. = 92 9 38.2 RAD. = 1733735.9	1.1 1.0 14.1
N2454	X = -69862 Y = 1732184 Z = 44600	15 23 15	LAT. = 1 28 25.4 LONG. = 92 18 34.5 RAD. = 1734165.5	1.8 1.8 22.7
N2464	X = -75909 Y = 1732096 Z = 21368	15 22 15	LAT. = 0 42 22.0 LONG. = 92 30 33.8 RAD. = 1733890.4	1.7 1.8 22.6
T3875	X = -115250 Y = 1718114 Z = 220763	10 15 10	LAT. = 7 18 20.3 LONG. = 93 50 15.4 RAD. = 1736068.7	1.3 1.1 14.8
U3593	X = -96593 Y = 1724982 Z = 153600	11 20 11	LAT. = 5 4 49.9 LONG. = 93 12 18.0 RAD. = 1734498.8	1.3 1.3 19.8
N2433	X = -101457 Y = 1728354 Z = 107008	16 22 16	LAT. = 3 32 12.3 LONG. = 93 21 34.2 RAD. = 1734632.7	1.8 1.8 22.7
N2499	X = -103796 Y = 1728819 Z = 94596	13 14 13	LAT. = 3 7 34.7 LONG. = 93 26 9.0 RAD. = 1734513.3	1.5 1.6 13.8
N2443	X = -109204 Y = 1729296 Z = 78967	14 19 14	LAT. = 2 36 33.8 LONG. = 93 36 48.2 RAD. = 1734539.4	1.7 1.6 18.8

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22047	X = -113536 Y = 1731230 Z = 51322	8 12 8	LAT. = 1 41 39.8 LONG. = 93 45 7.8 RAD. = 1735708.3	.9 .9 12.1
1752	X = -102507 Y = 1732761 Z = 36284	12 11 11	LAT. = 1 11 51.0 LONG. = 93 23 8.0 RAD. = 1736169.9	1.3 1.4 11.1
G3615	X = -95718 Y = 1733594 Z = 35530	18 27 19	LAT. = 1 10 20.4 LONG. = 93 9 37.1 RAD. = 1736598.4	2.3 2.1 26.7
22038	X = -110754 Y = 1731839 Z = 33576	9 17 9	LAT. = 1 6 30.3 LONG. = 93 39 33.0 RAD. = 1735701.6	1.1 1.1 17.1
N2463	X = -112896 Y = 1731975 Z = 24474	14 20 14	LAT. = 0 48 28.3 LONG. = 93 43 46.0 RAD. = 1735823.0	1.6 1.6 20.2
K2999	X = -116977 Y = 1731891 Z = 12777	15 15 16	LAT. = 0 25 18.2 LONG. = 93 51 50.6 RAD. = 1735883.9	1.9 1.8 14.9
22051	X = -91021 Y = 1732931 Z = 1221	0 0 0	LAT. = 0 2 25.2 LONG. = 93 0 24.0 RAD. = 1735320.1	.0 .0 .0
R1615	X = -142555 Y = 1713807 Z = 235965	21 38 27	LAT. = 7 48 46.2 LONG. = 94 45 17.8 RAD. = 1735839.1	3.6 2.4 36.0
T3855	X = -146425 Y = 1721282 Z = 175032	13 21 18	LAT. = 5 47 7.9 LONG. = 94 51 44.3 RAD. = 1736343.6	2.0 1.6 22.5
V3245	X = -135106 Y = 1725844 Z = 109058	9 15 9	LAT. = 3 36 17.2 LONG. = 94 28 34.3 RAD. = 1734556.5	1.1 1.1 14.6
22035	X = -129412 Y = 1729301 Z = 74733	8 12 8	LAT. = 2 28 3.6 LONG. = 94 16 47.1 RAD. = 1735745.8	.9 .9 12.1
U3554	X = -136858 Y = 1730343 Z = 40250	12 33 20	LAT. = 1 19 42.2 LONG. = 94 31 20.2 RAD. = 1736213.7	2.9 1.4 33.2

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2201E	X = -145800 Y = 1730487 Z = 22307	11 19 16	LAT. = 0 44 9.4 LONG. = 94 48 57.6 RAD. = 1736761.6	1.9 1.3 19.6
22028	X = -127696 Y = 1731432 Z = 4097	12 27 12	LAT. = 0 8 6.8 LONG. = 94 13 4.9 RAD. = 1736139.0	1.4 1.5 27.3
T3851	X = -159584 Y = 1711714 Z = 239090	13 22 14	LAT. = 7 55 3.6 LONG. = 95 19 34.7 RAD. = 1735682.8	1.5 1.5 22.5
R1635	X = -150816 Y = 1720782 Z = 181131	16 25 16	LAT. = 5 59 10.0 LONG. = 95 0 31.8 RAD. = 1736849.2	2.1 1.8 24.3
N2215	X = -161989 Y = 1720631 Z = 171228	15 25 16	LAT. = 5 39 29.6 LONG. = 95 22 41.8 RAD. = 1736701.6	1.9 1.8 24.2
R1799	X = -153501 Y = 1721832 Z = 168906	15 17 15	LAT. = 5 34 50.2 LONG. = 95 5 40.0 RAD. = 1736892.9	1.8 1.8 16.5
T383C	X = -179212 Y = 1719925 Z = 163543	11 20 12	LAT. = 5 24 9.7 LONG. = 95 56 55.0 RAD. = 1736952.9	1.6 1.3 19.7
N2235	X = -172497 Y = 1725289 Z = 117784	15 24 16	LAT. = 3 53 10.2 LONG. = 95 42 34.3 RAD. = 1737886.6	1.8 1.8 23.7
1448	X = -166521 Y = 1726772 Z = 106013	11 12 10	LAT. = 3 29 49.2 LONG. = 95 30 29.8 RAD. = 1738019.2	1.2 1.3 12.3
N2399	X = -173635 Y = 1724602 Z = 104989	15 15 15	LAT. = 3 27 58.4 LONG. = 95 44 57.2 RAD. = 1736497.7	1.8 1.8 14.9
N2245	X = -177029 Y = 1724282 Z = 88662	16 22 16	LAT. = 2 55 41.5 LONG. = 95 51 42.9 RAD. = 1735612.3	1.9 1.9 21.8
22013	X = -161527 Y = 1727811 Z = 55336	9 13 9	LAT. = 1 49 35.1 LONG. = 95 20 27.1 RAD. = 1736227.0	1.0 1.0 13.0

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3613	X = -177955 Y = 1726568 Z = 34414	15 21 14	LAT. = 1 8 9.1 LONG. = 95 53 4.6 RAD. = 1736055.8	1.7 1.7 20.8
32891	X = -180913 Y = 1726766 Z = 10858	9 14 9	LAT. = 0 21 29.9 LONG. = 95 58 51.7 RAD. = 1736250.8	1.0 1.1 13.7
1750	X = -173380 Y = 1727292 Z = 9305	12 11 11	LAT. = 0 18 25.6 LONG. = 95 43 55.1 RAD. = 1735996.6	1.4 1.4 10.9
U354E	X = -187618 Y = 1716262 Z = 188356	11 21 15	LAT. = 6 13 34.4 LONG. = 96 14 19.2 RAD. = 1736731.0	1.9 1.4 19.8
V3089	X = -203879 Y = 1720506 Z = 93104	9 16 10	LAT. = 3 4 33.7 LONG. = 96 45 28.8 RAD. = 1735043.5	1.2 1.1 15.3
N2255	X = -184713 Y = 1726131 Z = 63415	15 22 15	LAT. = 2 5 31.4 LONG. = 96 6 28.6 RAD. = 1737143.8	1.7 1.8 21.8
32889	X = -195474 Y = 1724782 Z = 37989	11 16 11	LAT. = 1 15 13.5 LONG. = 96 27 57.2 RAD. = 1736239.4	1.4 1.3 16.4
K2899	X = -191378 Y = 1725249 Z = 24804	16 15 16	LAT. = 0 49 7.3 LONG. = 96 19 47.4 RAD. = 1736008.1	1.9 1.9 15.0
T3695	X = -238308 Y = 1706702 Z = 213362	13 22 13	LAT. = 7 3 29.0 LONG. = 97 56 55.8 RAD. = 1736417.4	1.5 1.6 22.4
R1633	X = -213656 Y = 1713218 Z = 189179	17 28 17	LAT. = 6 15 11.5 LONG. = 97 6 31.2 RAD. = 1736822.7	2.2 2.0 28.0
N2213	X = -232034 Y = 1711193 Z = 182968	17 28 17	LAT. = 6 2 53.5 LONG. = 97 43 19.4 RAD. = 1736519.4	2.2 1.9 28.1
R1699	X = -218336 Y = 1713890 Z = 179889	16 18 15	LAT. = 5 56 38.7 LONG. = 97 15 35.8 RAD. = 1737080.4	1.9 1.9 17.6

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TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1643	X = -220709 Y = 1714587 Z = 168208	16 25 15	LAT. = 5 33 26.9 LONG. = 97 20 6.1 RAD. = 1736898.4	1.9 1.9 24.6
T3699	X = -221955 Y = 1716263 Z = 150886	14 21 18	LAT. = 4 58 58.7 LONG. = 97 22 7.8 RAD. = 1737121.2	2.0 1.6 22.4
R1663	X = -232931 Y = 1716939 Z = 115777	14 20 14	LAT. = 3 49 22.2 LONG. = 97 43 33.4 RAD. = 1736531.0	1.7 1.7 20.5
U3393	X = -240344 Y = 1716669 Z = 102410	11 20 11	LAT. = 3 22 51.9 LONG. = 97 58 11.8 RAD. = 1736434.9	1.3 1.3 20.1
1446	X = -238079 Y = 1718042 Z = 81446	11 13 11	LAT. = 2 41 18.6 LONG. = 97 53 22.5 RAD. = 1736370.4	1.3 1.3 13.0
V3067	X = -233122 Y = 1718392 Z = 72956	9 16 9	LAT. = 2 24 32.5 LONG. = 97 43 32.6 RAD. = 1735666.9	1.1 1.1 15.6
G3622	X = -213315 Y = 1723153 Z = 21985	22 43 20	LAT. = 0 43 31.6 LONG. = 97 3 25.0 RAD. = 1736445.4	2.4 2.3 43.8
32879	X = -216713 Y = 1723473 Z = 2712	9 14 9	LAT. = 0 5 22.0 LONG. = 97 10 .7 RAD. = 1737047.1	1.0 1.1 14.4
398	X = -248211 Y = 1703484 Z = 230351	13 16 13	LAT. = 7 37 17.5 LONG. = 98 17 24.4 RAD. = 1736815.6	1.5 1.5 16.5
R1632	X = -247699 Y = 1707126 Z = 192341	21 37 20	LAT. = 6 21 44.4 LONG. = 98 15 21.0 RAD. = 1735693.2	2.6 2.3 36.9
N2212	X = -265974 Y = 1705089 Z = 185464	22 41 20	LAT. = 6 8 2.8 LONG. = 98 51 57.7 RAD. = 1735646.3	2.5 2.4 41.6
T3686	X = -265394 Y = 1707123 Z = 166413	10 15 10	LAT. = 5 30 7.2 LONG. = 98 50 11.9 RAD. = 1735625.2	1.3 1.2 15.1

TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

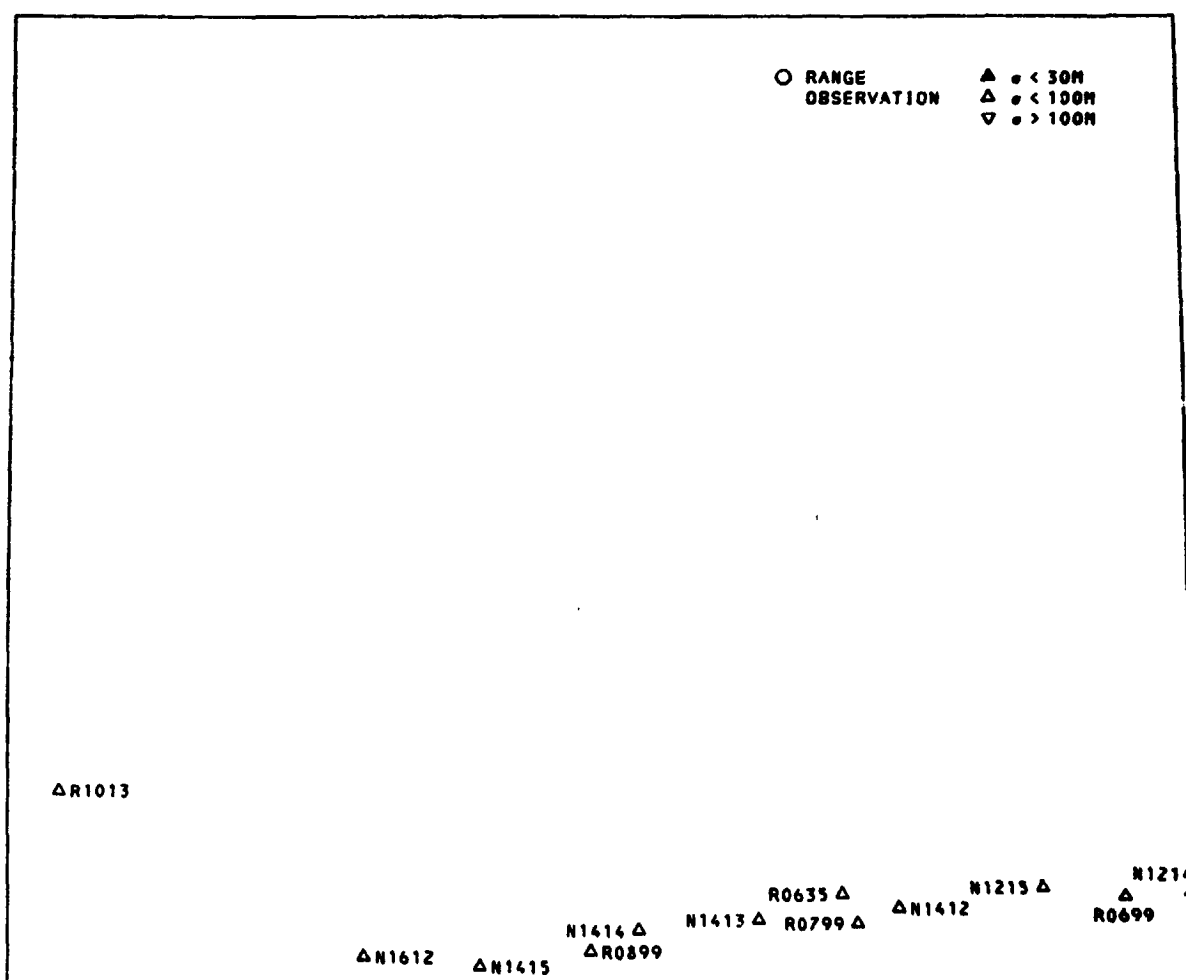
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2233	X = -241907 Y = 1714710 Z = 127102	17 24 16	LAT. = 4 11 52.3 LONG. = 98 1 48.5 RAD. = 1736347.7	1.9 1.9 24.1
N2299	X = -243191 Y = 1715409 Z = 115243	15 16 14	LAT. = 3 48 19.8 LONG. = 98 4 8.3 RAD. = 1736390.6	1.7 1.7 15.8
N2243	X = -246284 Y = 1715905 Z = 101921	17 25 16	LAT. = 3 21 53.4 LONG. = 98 10 4.3 RAD. = 1736483.2	1.9 1.9 24.9
N2253	X = -253832 Y = 1716448 Z = 69693	18 31 21	LAT. = 2 18 .4 LONG. = 98 24 43.4 RAD. = 1736514.5	2.6 2.1 30.7
G3415	X = -246552 Y = 1717890 Z = 52249	16 20 15	LAT. = 1 43 27.9 LONG. = 98 10 2.5 RAD. = 1736278.5	1.8 1.9 20.7
V3046	X = -258542 Y = 1715892 Z = 48524	10 16 9	LAT. = 1 36 6.4 LONG. = 98 34 6.9 RAD. = 1735938.4	1.1 1.1 15.6
K2799	X = -265741 Y = 1715637 Z = 36853	16 16 16	LAT. = 1 12 57.8 LONG. = 98 48 17.1 RAD. = 1736486.8	1.9 1.9 16.3
G3425	X = -256435 Y = 1717361 Z = 30856	15 21 15	LAT. = 1 1 5.0 LONG. = 98 29 33.4 RAD. = 1736674.7	1.8 1.8 21.4
32845	X = -269666 Y = 1716806 Z = 4452	10 17 11	LAT. = 0 8 48.5 LONG. = 98 55 36.3 RAD. = 1737861.0	1.3 1.2 16.5
R1435	X = -282484 Y = 1701395 Z = 205124	18 29 18	LAT. = 6 46 57.2 LONG. = 99 25 36.8 RAD. = 1736841.0	2.3 2.1 28.6
R1599	X = -284542 Y = 1704896 Z = 190007	17 28 17	LAT. = 6 16 23.5 LONG. = 99 28 30.6 RAD. = 1738889.7	2.1 2.0 27.8
R1445	X = -290741 Y = 1704352 Z = 177344	17 25 16	LAT. = 5 51 23.2 LONG. = 99 40 50.7 RAD. = 1738044.0	1.9 1.9 25.0

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TERRAIN POINTS ON MAP SHEET 64D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N2232	X = -272955 Y = 1709794 Z = 130933	18 35 20	LAT. = 4 19 28.2 LONG. = 99 4 13.0 RAD. = 1736388.0	2.3 2.2 35.6
R1465	X = -296375 Y = 1707530 Z = 127140	16 22 15	LAT. = 4 11 44.8 LONG. = 99 50 48.1 RAD. = 1737717.2	1.8 1.8 22.2
T3655	X = -296313 Y = 1707537 Z = 127065	14 21 18	LAT. = 4 11 36.0 LONG. = 99 50 40.8 RAD. = 1737707.8	2.0 1.6 22.5

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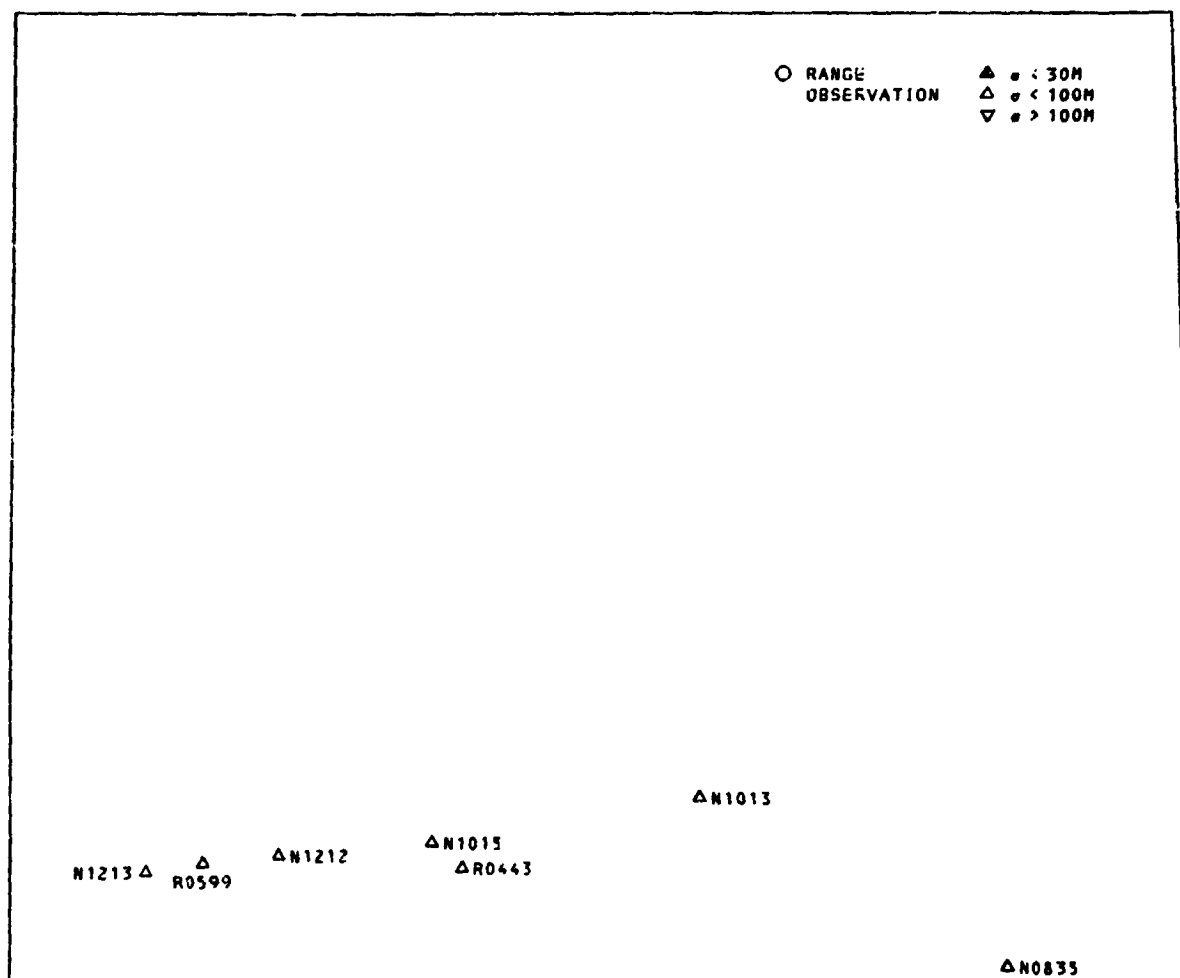
MAP SHEET 65A

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TERRAIN POINTS ON MAP SHEET 65A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R1013	X = -598023 Y = 1605168 Z = 289879	29 74 40	LAT. = 9 36 18.2 LONG. = 110 26 .4 RAD. = 1737304.0	5.7 4.2 65.4
N1612	X = -672259 Y = 1583106 Z = 248795	43 69 44	LAT. = 8 13 51.5 LONG. = 113 0 29.9 RAD. = 1737831.2	6.2 3.9 68.9
N1415	X = -699712 Y = 1572370 Z = 246571	33 41 29	LAT. = 8 9 11.7 LONG. = 113 59 21.4 RAD. = 1738603.6	3.8 3.6 41.6
R0899	X = -724086 Y = 1558092 Z = 249943	51 66 41	LAT. = 8 16 37.2 LONG. = 114 55 31.9 RAD. = 1736209.1	5.8 4.2 71.1
N1414	X = -735878 Y = 1554380 Z = 255610	45 67 43	LAT. = 8 27 14.4 LONG. = 115 20 2.1 RAD. = 1738663.2	6.0 4.0 68.5
N1413	X = -762637 Y = 1540375 Z = 258156	35 42 30	LAT. = 8 32 29.7 LONG. = 116 20 23.7 RAD. = 1738108.0	3.9 3.8 42.6
R0635	X = -781064 Y = 1530395 Z = 264676	55 62 43	LAT. = 8 45 26.0 LONG. = 117 2 17.8 RAD. = 1738454.2	6.1 4.5 68.5
N1412	X = -794946 Y = 1526079 Z = 261630	48 63 41	LAT. = 8 38 43.7 LONG. = 117 30 55.2 RAD. = 1740490.3	5.8 4.2 66.4
R0799	X = -785046 Y = 1529529 Z = 257452	53 62 40	LAT. = 8 31 .0 LONG. = 117 10 10.7 RAD. = 1738400.8	5.6 4.4 68.5
N1215	X = -826384 Y = 1507635 Z = 266746	36 42 30	LAT. = 8 49 9.1 LONG. = 118 43 42.9 RAD. = 1739835.7	3.9 4.0 42.1
N1214	X = -859277 Y = 1490639 Z = 266014	49 61 39	LAT. = 8 47 19.7 LONG. = 119 57 40.5 RAD. = 1741012.6	5.5 4.3 65.3
R0699	X = -844659 Y = 1498230 Z = 264713	55 58 39	LAT. = 8 44 59.0 LONG. = 119 24 46.9 RAD. = 1740176.9	5.5 4.6 66.1

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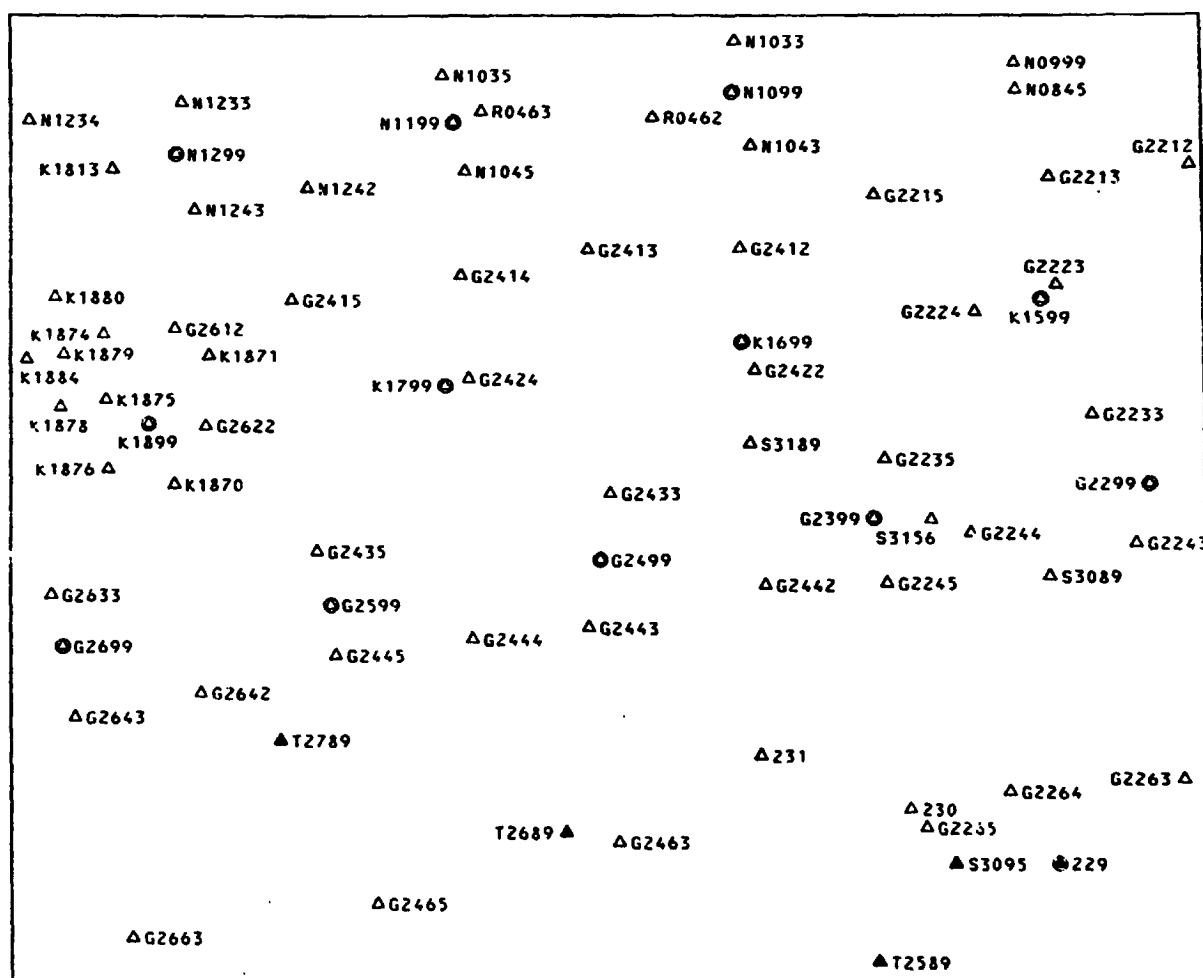


MAP SHEET 65B

TERRAIN POINTS ON MAP SHEET 65B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R0599	X = -900024 Y = 1460914 Z = 271003	61 59 39	LAT. = 8 58 29.8 LONG. = 121 38 9.4 RAD. = 1737168.6	5.5 4.9 69.4
N1213	X = -888728 Y = 1470272 Z = 269047	38 42 29	LAT. = 8 54 1.7 LONG. = 121 9 5.3 RAD. = 1738943.4	3.8 4.1 43.0
N1212	X = -916660 Y = 1451225 Z = 273029	53 63 39	LAT. = 9 2 16.5 LONG. = 122 16 42.2 RAD. = 1738064.1	5.6 4.5 68.3
N1015	X = -950232 Y = 1431306 Z = 276564	39 42 29	LAT. = 9 8 41.8 LONG. = 123 34 47.4 RAD. = 1740133.9	3.8 4.3 43.2
R0443	X = -957160 Y = 1428078 Z = 270300	38 43 28	LAT. = 8 56 7.0 LONG. = 123 49 54.1 RAD. = 1740293.9	3.6 4.3 43.1
N1013	X = -1004726 Y = 1390842 Z = 287660	44 72 42	LAT. = 9 31 2.6 LONG. = 125 50 37.9 RAD. = 1737731.4	6.0 5.0 67.4
N0835	X = -1070393 Y = 1350072 Z = 246167	77 55 46	LAT. = 8 7 52.6 LONG. = 128 24 31.8 RAD. = 1740411.8	6.4 6.0 75.1

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



○ RANGE
OBSERVATION

▲ ● < 30M
△ ● < 100M
▽ ● > 100M

MAP SHEET 65C

TERRAIN POINTS ON MAP SHEET 65C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1234	X = -866408 Y = 1490996 Z = 216006	36 44 25	LAT. = 7 8 23.0 LONG. = 120 9 38.1 RAD. = 1737927.0	3.2 3.9 44.9
K1813	X = -886011 Y = 1482760 Z = 204106	33 38 23	LAT. = 6 44 20.6 LONG. = 120 51 36.3 RAD. = 1739324.9	2.8 3.9 38.3
K1880	X = -873266 Y = 1489997 Z = 171835	32 36 21	LAT. = 5 40 55.3 LONG. = 120 22 26.3 RAD. = 1735572.5	2.6 3.8 36.1
K1874	X = -884405 Y = 1484481 Z = 162573	31 35 21	LAT. = 5 22 29.2 LONG. = 120 47 6.4 RAD. = 1735593.4	2.5 3.7 34.6
K1879	X = -876778 Y = 1491392 Z = 157759	59 59 34	LAT. = 5 12 37.2 LONG. = 120 27 3.4 RAD. = 1737203.9	3.7 4.8 74.8
K1884	X = -868448 Y = 1495736 Z = 156523	38 39 24	LAT. = 5 10 15.8 LONG. = 120 8 24.5 RAD. = 1736643.0	2.8 4.0 42.7
K1875	X = -885918 Y = 1485852 Z = 146323	31 35 21	LAT. = 4 50 5.2 LONG. = 120 48 17.7 RAD. = 1736092.6	2.4 3.7 34.5
K1878	X = -876818 Y = 1493371 Z = 144541	33 37 22	LAT. = 4 46 16.1 LONG. = 120 25 8.1 RAD. = 1737774.3	2.6 3.8 37.3
K1876	X = -887638 Y = 1487582 Z = 129032	31 34 21	LAT. = 4 15 35.7 LONG. = 120 49 28.1 RAD. = 1737081.0	2.4 3.7 34.3
G2633	X = -877295 Y = 1498814 Z = 97569	34 41 23	LAT. = 3 12 56.0 LONG. = 120 20 29.6 RAD. = 1739427.5	2.7 3.9 42.3
G2699	X = -879960 Y = 1497822 Z = 84676	32 31 23	LAT. = 2 47 26.1 LONG. = 120 26 2.2 RAD. = 1739244.7	2.7 3.8 31.1
G2643	X = -883286 Y = 1496917 Z = 66938	34 41 26	LAT. = 2 12 19.8 LONG. = 120 32 36.9 RAD. = 1739377.6	3.0 3.9 42.1

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1233	X = -898973 Y = 1470095 Z = 220351	35 38 23	LAT. = 7 17 13.7 LONG. = 121 26 45.9 RAD. = 1737206.4	2.8 3.9 38.6
N1299	X = -898382 Y = 1471860 Z = 207402	32 31 22	LAT. = 6 51 30.3 LONG. = 121 23 55.4 RAD. = 1736800.9	2.6 3.9 30.5
N1243	X = -903647 Y = 1471110 Z = 193644	35 38 24	LAT. = 6 23 58.6 LONG. = 121 33 39.0 RAD. = 1737308.9	2.8 4.0 39.7
G2612	X = -901712 Y = 1477799 Z = 164101	31 34 20	LAT. = 5 24 53.9 LONG. = 121 23 25.3 RAD. = 1738937.4	2.4 3.8 33.8
K1871	X = -911066 Y = 1475984 Z = 157631	32 34 22	LAT. = 5 11 33.7 LONG. = 121 41 7.3 RAD. = 1741671.1	2.5 3.8 34.0
K1899	X = -895884 Y = 1481222 Z = 140279	31 30 21	LAT. = 4 37 58.4 LONG. = 121 10 .1 RAD. = 1736751.1	2.4 3.8 30.2
G2622	X = -910731 Y = 1477259 Z = 140013	32 34 21	LAT. = 4 36 45.3 LONG. = 121 39 13.9 RAD. = 1741071.0	2.5 3.8 34.4
K1870	X = -904173 Y = 1482309 Z = 125286	34 39 22	LAT. = 4 7 37.6 LONG. = 121 22 55.9 RAD. = 1740823.1	2.6 3.9 40.4
G2642	X = -910667 Y = 1479998 Z = 72846	34 40 27	LAT. = 2 24 1.6 LONG. = 121 36 16.8 RAD. = 1739257.3	3.1 3.9 40.9
G2663	X = -896627 Y = 1491065 Z = 11601	37 49 38	LAT. = 0 22 55.2 LONG. = 121 1 11.5 RAD. = 1739928.2	4.4 4.3 50.0
N1242	X = -927515 Y = 1454784 Z = 198865	37 44 24	LAT. = 6 34 30.3 LONG. = 122 31 12.2 RAD. = 1736728.6	2.9 4.1 46.0
G2415	X = -926473 Y = 1460643 Z = 171114	33 36 21	LAT. = 5 38 59.1 LONG. = 122 23 11.8 RAD. = 1738134.2	2.6 3.9 36.4

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2435	X = -935179 Y = 1462628 Z = 108267	36 41 23	LAT. = 3 34 6.9 LONG. = 122 35 38.9 RAD. = 1739414.6	2.7 4.0 43.2
G2599	X = -938272 Y = 1460895 Z = 94811	33 32 23	LAT. = 3 7 32.3 LONG. = 122 42 39.4 RAD. = 1738837.7	2.7 4.0 31.8
G2445	X = -939895 Y = 1461445 Z = 82224	35 41 25	LAT. = 2 42 33.3 LONG. = 122 44 46.2 RAD. = 1739536.2	2.9 4.0 43.0
T2789	X = -928132 Y = 1469486 Z = 60878	19 23 17	LAT. = 2 0 21.8 LONG. = 122 16 35.9 RAD. = 1739116.3	2.0 2.3 23.0
N1035	X = -956658 Y = 1436701 Z = 227461	34 38 23	LAT. = 7 30 25.9 LONG. = 123 39 30.7 RAD. = 1740989.3	2.8 4.0 37.6
R0463	X = -964925 Y = 1431152 Z = 218287	37 42 25	LAT. = 7 12 27.6 LONG. = 123 59 20.4 RAD. = 1739806.1	2.9 4.3 43.4
N1199	X = -959541 Y = 1436037 Z = 215613	33 32 22	LAT. = 7 6 57.6 LONG. = 123 45 1.2 RAD. = 1740520.7	2.6 4.0 31.6
J1045	X = -963092 Y = 1436018 Z = 203528	35 37 22	LAT. = 6 42 48.0 LONG. = 123 50 54.6 RAD. = 1741010.5	2.7 4.0 38.5
G2414	X = -963263 Y = 1438083 Z = 177352	33 35 21	LAT. = 5 51 1.1 LONG. = 123 48 54.5 RAD. = 1739946.3	2.5 3.9 34.7
G2424	X = -966214 Y = 1439117 Z = 151561	32 35 21	LAT. = 4 59 49.3 LONG. = 123 52 37.7 RAD. = 1739999.6	2.5 3.9 34.7
K1799	X = -961256 Y = 1442431 Z = 149851	33 32 22	LAT. = 4 56 27.4 LONG. = 123 40 48.1 RAD. = 1739849.5	2.5 3.9 31.4
G2444	X = -969269 Y = 1442651 Z = 86343	35 40 26	LAT. = 2 50 38.6 LONG. = 123 53 45.0 RAD. = 1740166.2	3.1 4.1 41.7

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2465	X = -950051 Y = 1458055 Z = 20054	39 49 39	LAT. = 0 39 36.8 LONG. = 123 5 16.0 RAD. = 1740379.8	4.5 4.4 50.8
G2413	X = -990082 Y = 1419964 Z = 183879	35 39 23	LAT. = 6 3 48.4 LONG. = 124 53 11.3 RAD. = 1740796.4	2.8 4.1 39.3
G2499	X = -994915 Y = 1421889 Z = 106212	38 36 30	LAT. = 3 30 8.3 LONG. = 124 58 51.6 RAD. = 1738650.0	3.5 4.7 34.4
G2443	X = -992433 Y = 1423741 Z = 89131	38 42 27	LAT. = 2 56 23.9 LONG. = 124 52 43.7 RAD. = 1737787.1	3.1 4.2 45.1
T2689	X = -988843 Y = 1429364 Z = 37850	19 19 14	LAT. = 1 14 51.1 LONG. = 124 40 32.6 RAD. = 1738483.6	1.7 2.2 19.3
R0462	X = -1000300 Y = 1405610 Z = 216696	37 39 23	LAT. = 7 9 33.1 LONG. = 125 26 14.9 RAD. = 1738763.3	2.9 4.2 40.6
G2433	X = -996207 Y = 1419292 Z = 122825	38 48 25	LAT. = 4 3 5.9 LONG. = 125 3 54.6 RAD. = 1738362.5	2.9 4.3 48.7
G2463	X = -1002140 Y = 1424670 Z = 35511	41 49 38	LAT. = 1 10 4.5 LONG. = 125 7 23.8 RAD. = 1742191.1	4.4 4.5 51.7
N1033	X = -1016258 Y = 1392151 Z = 235803	35 41 24	LAT. = 7 47 24.3 LONG. = 126 7 44.8 RAD. = 1739674.8	3.1 4.2 40.2
N1099	X = -1017353 Y = 1394657 Z = 223206	34 34 23	LAT. = 7 22 2.6 LONG. = 126 6 33.9 RAD. = 1740659.5	2.7 4.2 33.0
N1043	X = -1021996 Y = 1393517 Z = 209825	35 40 23	LAT. = 6 55 22.4 LONG. = 126 15 21.9 RAD. = 1740802.4	2.8 4.2 39.7
G2412	X = -1021444 Y = 1397598 Z = 184208	35 37 22	LAT. = 6 4 26.8 LONG. = 126 9 41.3 RAD. = 1740850.5	2.6 4.2 37.2

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

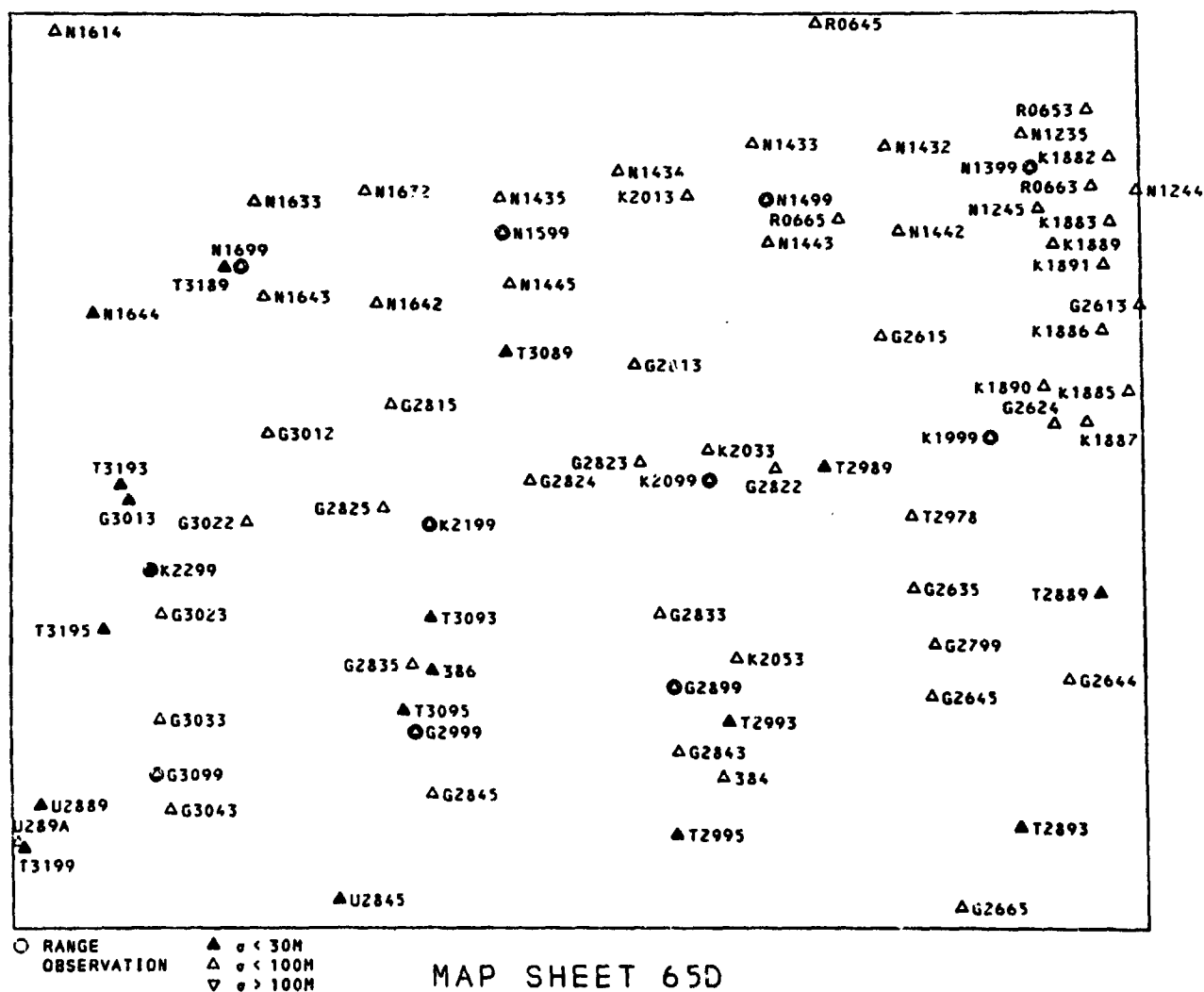
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K1699	X = -1021132 Y = 1396548 Z = 160557	34 34 23	LAT. = 5 18 7.7 LONG. = 126 10 25.0 RAD. = 1737479.6	2.7 4.2 33.2
G2422	X = -1023863 Y = 1394920 Z = 153437	34 37 22	LAT. = 5 4 2.6 LONG. = 126 16 42.4 RAD. = 1737135.9	2.6 4.1 36.5
S3189	X = -1023633 Y = 1396868 Z = 135079	45 41 43	LAT. = 4 27 36.2 LONG. = 126 14 3.1 RAD. = 1737040.9	5.6 2.7 53.6
G2442	X = -1028020 Y = 1396599 Z = 99792	37 42 27	LAT. = 3 17 36.4 LONG. = 126 21 22.8 RAD. = 1737029.5	3.1 4.3 43.8
231	X = -1029970 Y = 1401782 Z = 57145	41 37 16	LAT. = 1 52 53.7 LONG. = 126 18 24.7 RAD. = 1740430.5	2.0 2.6 50.3
G2215	X = -1046172 Y = 1374021 Z = 197295	37 41 24	LAT. = 6 31 2.7 LONG. = 127 17 7.6 RAD. = 1738198.0	2.9 4.3 41.1
G2235	X = -1050090 Y = 1375664 Z = 131255	40 44 25	LAT. = 4 20 13.6 LONG. = 127 21 20.4 RAD. = 1735617.6	2.9 4.4 46.6
G2399	X = -1049726 Y = 1380074 Z = 116525	36 36 24	LAT. = 3 50 40.7 LONG. = 127 15 27.8 RAD. = 1737845.5	2.9 4.4 35.6
S3156	X = -1060918 Y = 1370916 Z = 116285	25 29 24	LAT. = 3 50 15.9 LONG. = 127 44 7.4 RAD. = 1737377.4	3.0 2.4 31.9
G2245	X = -1052336 Y = 1378118 Z = 100321	39 43 27	LAT. = 3 18 40.5 LONG. = 127 21 55.7 RAD. = 1736860.4	3.1 4.4 45.9
230	X = -1058901 Y = 1377990 Z = 43822	26 27 15	LAT. = 1 26 40.1 LONG. = 127 32 24.3 RAD. = 1738403.7	1.8 2.3 31.9
G2265	X = -1062827 Y = 1376410 Z = 39201	42 30 40	LAT. = 1 17 28.8 LONG. = 127 40 27.7 RAD. = 1739437.8	4.7 4.7 52.9

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S3095	X = -1070177 Y = 1373767 Z = 30203	27 23 14	LAT. = 0 59 37.1 LONG. = 127 55 8.0 RAD. = 1741673.7	1.7 2.4 28.7
T2589	X = -1054748 Y = 1385978 Z = 5524	19 18 13	LAT. = 0 10 54.2 LONG. = 127 16 17.9 RAD. = 1741682.5	1.5 2.2 18.8
N0999	X = -1073318 Y = 1350704 Z = 230537	37 43 26	LAT. = 7 36 40.2 LONG. = 128 28 18.9 RAD. = 1740562.9	3.2 4.5 42.1
N0845	X = -1074161 Y = 1351403 Z = 223858	40 44 27	LAT. = 7 23 19.0 LONG. = 128 28 45.8 RAD. = 1740753.9	3.3 4.6 44.3
G2213	X = -1081737 Y = 1348024 Z = 201990	36 39 23	LAT. = 6 39 56.5 LONG. = 128 44 44.5 RAD. = 1740150.5	2.8 4.3 38.4
G2223	X = -1084833 Y = 1349413 Z = 175245	36 39 23	LAT. = 5 46 46.2 LONG. = 128 47 48.5 RAD. = 1740255.5	2.7 4.3 38.2
K1599	X = -1081982 Y = 1351950 Z = 171605	36 35 24	LAT. = 5 39 34.7 LONG. = 128 40 14.5 RAD. = 1740086.8	2.8 4.4 34.7
G2224	X = -1069521 Y = 1363036 Z = 168485	37 43 24	LAT. = 5 33 15.7 LONG. = 128 7 11.6 RAD. = 1740726.8	2.8 4.4 42.6
G2244	X = -1068952 Y = 1364988 Z = 112909	43 49 30	LAT. = 3 43 34.0 LONG. = 128 3 55.0 RAD. = 1737412.3	3.3 4.5 53.8
S3089	X = -1087161 Y = 1355926 Z = 102365	25 26 22	LAT. = 3 22 15.0 LONG. = 128 43 19.6 RAD. = 1740957.4	2.7 2.4 29.3
G2264	X = -1080524 Y = 1364482 Z = 48298	61 70 62	LAT. = 1 35 22.3 LONG. = 128 22 31.7 RAD. = 1741170.7	7.1 5.0 84.7
229	X = -1090314 Y = 1357274 Z = 30414	22 19 14	LAT. = 1 0 3.0 LONG. = 128 46 31.1 RAD. = 1741236.0	1.7 2.4 21.2

TERRAIN POINTS ON MAP SHEET 65C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2212	X = -1108527 Y = 1325969 Z = 205159	49 49 29	LAT. = 6 46 10.7 LONG. = 129 53 45.8 RAD. = 1740436.0	3.8 4.7 55.0
G2233	X = -1093939 Y = 1347106 Z = 143052	38 40 24	LAT. = 4 42 45.0 LONG. = 129 4 43.9 RAD. = 1741224.1	2.8 4.4 41.2
G2299	X = -1105768 Y = 1339230 Z = 125728	38 36 25	LAT. = 4 8 26.1 LONG. = 129 32 44.2 RAD. = 1741283.5	2.9 4.5 35.8
G2243	X = -1103811 Y = 1342041 Z = 110811	44 43 28	LAT. = 3 38 55.7 LONG. = 129 26 12.6 RAD. = 1741192.9	3.2 4.6 47.6
G2263	X = -1113509 Y = 1336392 Z = 51827	44 50 40	LAT. = 1 42 23.7 LONG. = 129 48 6.3 RAD. = 1740268.0	4.7 4.8 53.5



TERRAIN POINTS ON MAP SHEET 65D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1614	X = -599889 Y = 1613483 Z = 237174	26 39 22	LAT. = 7 50 41.4 LONG. = 110 23 42.1 RAD. = 1737654.9	2.8 3.1 38.2
N1644	X = -612671 Y = 1619205 Z = 163167	23 28 18	LAT. = 5 23 2.9 LONG. = 110 43 31.9 RAD. = 1738911.5	2.1 2.8 27.4
T3193	X = -619672 Y = 1617209 Z = 117519	18 24 14	LAT. = 3 52 55.1 LONG. = 110 57 55.9 RAD. = 1735848.2	1.6 2.0 25.2
T3195	X = -616716 Y = 1622623 Z = 79265	19 24 15	LAT. = 2 36 52.1 LONG. = 110 48 37.7 RAD. = 1737678.5	1.8 2.2 24.9
U2889	X = -601722 Y = 1631038 Z = 32763	15 23 17	LAT. = 1 4 46.8 LONG. = 110 15 .0 RAD. = 1738800.2	2.0 1.8 22.4
U289A	X = -596179 Y = 1633674 Z = 23022	23 32 27	LAT. = 0 45 30.4 LONG. = 110 2 55.0 RAD. = 1739209.9	3.2 2.0 35.3
T3199	X = -597778 Y = 1633046 Z = 21428	20 23 18	LAT. = 0 42 21.4 LONG. = 110 6 18.7 RAD. = 1739148.3	2.1 2.1 24.7
T3189	X = -644681 Y = 1604487 Z = 175209	17 26 17	LAT. = 5 47 9.0 LONG. = 111 53 24.7 RAD. = 1738013.2	2.2 2.1 24.9
G3013	X = -621846 Y = 1616950 Z = 113351	24 29 18	LAT. = 3 44 36.6 LONG. = 111 2 8.6 RAD. = 1736107.6	2.1 2.8 29.4
K2299	X = -627822 Y = 1616833 Z = 95102	24 24 18	LAT. = 3 8 18.4 LONG. = 111 13 16.9 RAD. = 1737053.3	2.1 2.8 24.3
G3023	X = -631601 Y = 1618681 Z = 83373	29 36 21	LAT. = 2 44 49.7 LONG. = 111 18 55.7 RAD. = 1739539.9	2.5 3.1 37.7
G3033	X = -631827 Y = 1620440 Z = 55318	25 33 20	LAT. = 1 49 18.2 LONG. = 111 18 4.8 RAD. = 1740141.5	2.3 3.0 33.5

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G3099	X = -631166	27	LAT. = 1 20 29.4	2.6
	Y = 1621487	27	LONG. = 111 16 6.7	3.2
	Z = 40747	22	RAD. = 1740474.7	27.0
G3043	X = -634686	25	LAT. = 1 1 54.5	2.5
	Y = 1620124	33	LONG. = 111 23 34.2	3.0
	Z = 31338	21	RAD. = 1740290.4	33.4
N1633	X = -651338	26	LAT. = 6 21 58.4	2.5
	Y = 1599158	36	LONG. = 112 9 40.0	3.3
	Z = 192651	21	RAD. = 1737430.3	35.7
N1699	X = -648759	26	LAT. = 5 47 38.6	2.4
	Y = 1602786	25	LONG. = 112 2 11.8	3.2
	Z = 175455	20	RAD. = 1737986.3	25.5
N1643	X = -654708	27	LAT. = 5 31 52.8	2.4
	Y = 1601174	32	LONG. = 112 14 21.4	3.2
	Z = 167521	20	RAD. = 1737947.7	32.2
G3012	X = -656065	26	LAT. = 4 19 50.7	2.2
	Y = 1602295	30	LONG. = 112 16 .5	3.0
	Z = 131120	19	RAD. = 1736365.3	30.6
G3022	X = -653147	33	LAT. = 3 33 6.2	2.9
	Y = 1609779	46	LONG. = 112 5 3.2	3.3
	Z = 107828	24	RAD. = 1740578.8	48.2
U2845	X = -675239	15	LAT. = 0 14 48.4	2.0
	Y = 1600297	22	LONG. = 112 52 37.6	1.9
	Z = 7481	17	RAD. = 1736938.0	22.0
N1632	X = -678658	26	LAT. = 6 27 6.5	2.4
	Y = 1588088	31	LONG. = 113 8 20.8	3.2
	Z = 195298	20	RAD. = 1738028.0	30.2
N1642	X = -683050	28	LAT. = 5 28 10.2	2.5
	Y = 1590572	35	LONG. = 113 14 25.6	3.2
	Z = 165750	21	RAD. = 1738950.9	35.2
G2815	X = -687794	26	LAT. = 4 34 50.4	2.2
	Y = 1592205	30	LONG. = 113 21 47.4	3.0
	Z = 138958	19	RAD. = 1739967.5	30.2
G2825	X = -686924	27	LAT. = 3 40 34.7	2.2
	Y = 1595808	30	LONG. = 113 17 23.0	3.1
	Z = 111630	19	RAD. = 1740956.4	30.7

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K2199	X = -697936 Y = 1589827 Z = 107131	27 26 20	LAT. = 3 31 50.8 LONG. = 113 42 5.5 RAD. = 1739581.2	2.3 3.2 26.3
T3093	X = -697600 Y = 1589013 Z = 82244	18 23 14	LAT. = 2 42 48.0 LONG. = 113 42 7.8 RAD. = 1737346.1	1.6 2.0 23.3
G2835	X = -693315 Y = 1591470 Z = 69714	28 35 20	LAT. = 2 17 59.0 LONG. = 113 32 24.3 RAD. = 1737332.6	2.4 3.2 35.3
386	X = -698151 Y = 1589402 Z = 68138	18 23 13	LAT. = 2 14 51.9 LONG. = 113 42 49.2 RAD. = 1737312.6	1.6 2.0 23.3
T3095	X = -691928 Y = 1594479 Z = 57630	18 22 13	LAT. = 1 53 56.5 LONG. = 113 27 30.8 RAD. = 1739094.6	1.6 2.0 23.0
G2999	X = -695311 Y = 1594283 Z = 51991	28 28 22	LAT. = 1 42 43.8 LONG. = 113 33 48.0 RAD. = 1740085.8	2.6 3.4 27.7
G2845	X = -698176 Y = 1590134 Z = 35393	27 35 23	LAT. = 1 10 3.1 LONG. = 113 42 16.9 RAD. = 1737016.8	2.7 3.2 35.4
N1435	X = -712114 Y = 1573880 Z = 193472	29 41 24	LAT. = 6 23 25.0 LONG. = 114 20 41.0 RAD. = 1738285.4	3.0 3.5 40.4
N1599	X = -713295 Y = 1574816 Z = 184291	28 28 22	LAT. = 6 5 4.9 LONG. = 114 22 3.4 RAD. = 1738619.5	2.6 3.4 27.8
N1445	X = -715574 Y = 1575362 Z = 170766	29 37 22	LAT. = 5 38 11.3 LONG. = 114 25 44.0 RAD. = 1738670.2	2.6 3.4 37.6
T3089	X = -715142 Y = 1577377 Z = 152674	17 24 19	LAT. = 5 2 16.0 LONG. = 114 23 17.9 RAD. = 1738635.6	2.3 2.1 23.2
G2824	X = -721844 Y = 1577094 Z = 118679	27 31 20	LAT. = 3 54 51.7 LONG. = 114 35 37.8 RAD. = 1738496.8	2.3 3.2 31.6

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1434	X = -740823 Y = 1560090 Z = 200391	31 36 23	LAT. = 6 37 6.5 LONG. = 115 24 4.1 RAD. = 1738636.0	2.9 3.4 37.0
G2813	X = -746657 Y = 1563086 Z = 149335	28 36 22	LAT. = 4 55 37.8 LONG. = 115 31 58.6 RAD. = 1738688.2	2.6 3.4 35.2
G2823	X = -748662 Y = 1564604 Z = 123508	28 33 20	LAT. = 4 4 22.7 LONG. = 115 34 15.9 RAD. = 1738888.6	2.3 3.3 32.7
G2833	X = -754294 Y = 1565069 Z = 83272	30 40 21	LAT. = 2 44 38 LONG. = 115 43 55.3 RAD. = 1739348.8	2.5 3.5 40.3
G2899	X = -758195 Y = 1564460 Z = 63897	29 29 21	LAT. = 2 6 17.6 LONG. = 115 51 23.6 RAD. = 1739677.5	2.5 3.4 28.8
G2843	X = -759849 Y = 1565431 Z = 46763	29 29 24	LAT. = 1 32 21.8 LONG. = 115 53 29.7 RAD. = 1740727.6	2.8 3.5 39.6
T2995	X = -758756 Y = 1564497 Z = 24694	19 21 13	LAT. = 0 48 49.2 LONG. = 115 52 21.5 RAD. = 1738956.7	1.6 2.1 22.7
N1433	X = -773155 Y = 1545225 Z = 207851	31 36 22	LAT. = 6 51 33.8 LONG. = 116 34 52.1 RAD. = 1740313.8	2.8 3.5 36.3
K2013	X = -758152 Y = 1553635 Z = 193941	33 46 28	LAT. = 6 24 3.6 LONG. = 116 0 42.2 RAD. = 1739593.9	3.5 3.8 45.4
N1499	X = -776815 Y = 1544118 Z = 192972	30 29 21	LAT. = 6 22 12.6 LONG. = 116 42 21.8 RAD. = 1739246.9	2.5 3.5 28.8
N1443	X = -778034 Y = 1545973 Z = 181691	31 35 21	LAT. = 5 59 34.7 LONG. = 116 42 52.2 RAD. = 1740224.7	2.5 3.5 36.2
K2033	X = -765521 Y = 1557756 Z = 74850	28 32 20	LAT. = 4 10 47.8 LONG. = 116 10 14.4 RAD. = 1740321.4	2.3 3.3 32.2

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

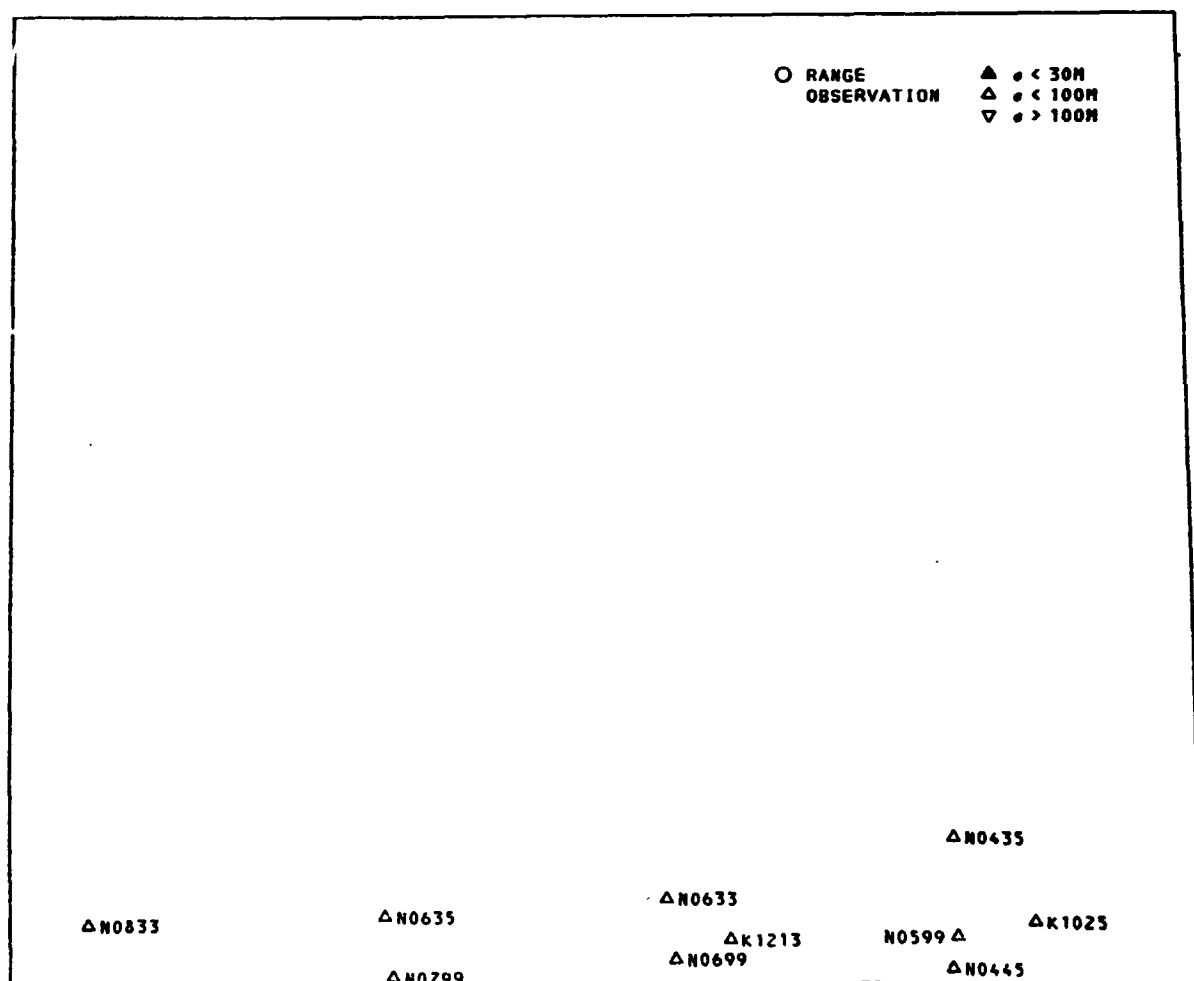
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2822	X = -781259 Y = 1549345 Z = 121789	29 32 20	LAT. = 4 0 53.6 LONG. = 116 45 34.5 RAD. = 1739444.6	2.4 3.4 32.8
K2099	X = -765802 Y = 1557541 Z = 118809	29 28 21	LAT. = 3 54 57.5 LONG. = 116 10 55.7 RAD. = 1739684.6	2.5 3.5 27.8
K2053	X = -772979 Y = 1556605 Z = 71435	29 36 21	LAT. = 2 21 13.2 LONG. = 116 24 29.1 RAD. = 1739430.9	2.5 3.4 35.7
T2993	X = -771388 Y = 1558129 Z = 54622	18 22 13	LAT. = 1 47 58.0 LONG. = 116 20 19.7 RAD. = 1739479.2	1.6 2.1 22.6
384	X = -768768 Y = 1556700 Z = 39779	19 36 15	LAT. = 1 18 45.0 LONG. = 116 16 55.9 RAD. = 1736635.4	1.8 2.5 35.2
R0645	X = -786776 Y = 1533356 Z = 239564	52 59 33	LAT. = 7 54 49.2 LONG. = 117 9 45.7 RAD. = 1739996.6	4.5 4.4 66.9
N1432	X = -802744 Y = 1525279 Z = 206539	33 38 24	LAT. = 6 49 59.1 LONG. = 117 45 27.1 RAD. = 1735952.8	3.0 3.7 38.9
R0665	X = -793719 Y = 1533839 Z = 187459	35 41 23	LAT. = 6 11 43.8 LONG. = 117 20 54.6 RAD. = 1736996.9	2.9 3.7 44.0
N1442	X = -806806 Y = 1525711 Z = 184223	33 37 22	LAT. = 6 5 33.7 LONG. = 117 52 12.7 RAD. = 1735703.5	2.7 3.7 38.8
G2615	X = -805035 Y = 1532884 Z = 156874	30 34 21	LAT. = 5 10 37.5 LONG. = 117 42 26.7 RAD. = 1738511.8	2.5 3.5 34.3
T2989	X = -792924 Y = 1542945 Z = 122206	18 24 18	LAT. = 4 1 46.4 LONG. = 117 11 55.6 RAD. = 1739063.2	2.2 2.2 22.7
T2978	X = -813668 Y = 1533007 Z = 109161	21 34 26	LAT. = 3 35 56.4 LONG. = 117 57 28.2 RAD. = 1738989.1	3.2 2.3 34.0

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2635	X = -814387	32	LAT. = 2 58 .2	2.6
	Y = 1533862	41	LONG. = 117 57 56.0	3.7
	Z = 90002	22	RAD. = 1738982.1	41.8
N1235	X = -834922	33	LAT. = 6 56 39.2	2.8
	Y = 1508068	37	LONG. = 118 58 13.8	3.8
	Z = 209949	23	RAD. = 1736502.9	38.2
K1999	X = -832165	30	LAT. = 4 17 31.4	2.5
	Y = 1522276	29	LONG. = 118 39 48.9	3.6
	Z = 130205	21	RAD. = 1739763.5	29.2
G2799	X = -819464	32	LAT. = 2 28 38.8	2.7
	Y = 1531683	41	LONG. = 118 8 49.9	3.7
	Z = 75159	23	RAD. = 1738742.2	41.8
G2645	X = -819038	32	LAT. = 2 1 20.7	2.8
	Y = 1532753	41	LONG. = 118 7 5.4	3.7
	Z = 61368	24	RAD. = 1738942.1	41.6
T2893	X = -838991	19	LAT. = 0 52 51.3	1.6
	Y = 1520210	22	LONG. = 118 53 38.2	2.1
	Z = 26699	13	RAD. = 1736564.6	23.2
G2665	X = -826689	36	LAT. = 0 10 49.8	4.3
	Y = 1531324	48	LONG. = 118 21 45.0	4.0
	Z = 5482	36	RAD. = 1740229.2	49.8
R0653	X = -849710	38	LAT. = 7 9 19.5	3.3
	Y = 1498758	42	LONG. = 119 33 2.7	3.9
	Z = 216288	25	RAD. = 1736393.5	45.7
K1882	X = -855210	37	LAT. = 6 44 32.3	3.0
	Y = 1496912	43	LONG. = 119 44 24.0	3.9
	Z = 203812	24	RAD. = 1735992.3	45.6
N1399	X = -837470	31	LAT. = 6 39 6.4	2.6
	Y = 1507785	30	LONG. = 119 2 56.9	3.8
	Z = 201141	22	RAD. = 1736441.4	29.7
R0663	X = -851383	44	LAT. = 6 29 6.5	3.4
	Y = 1500019	44	LONG. = 119 34 42.4	4.3
	Z = 196062	27	RAD. = 1735900.3	50.1
N1244	X = -861838	36	LAT. = 6 26 50.0	2.9
	Y = 1494317	43	LONG. = 119 58 26.2	3.9
	Z = 194934	24	RAD. = 1736014.5	45.5

TERRAIN POINTS ON MAP SHEET 65D (CONTINUED)

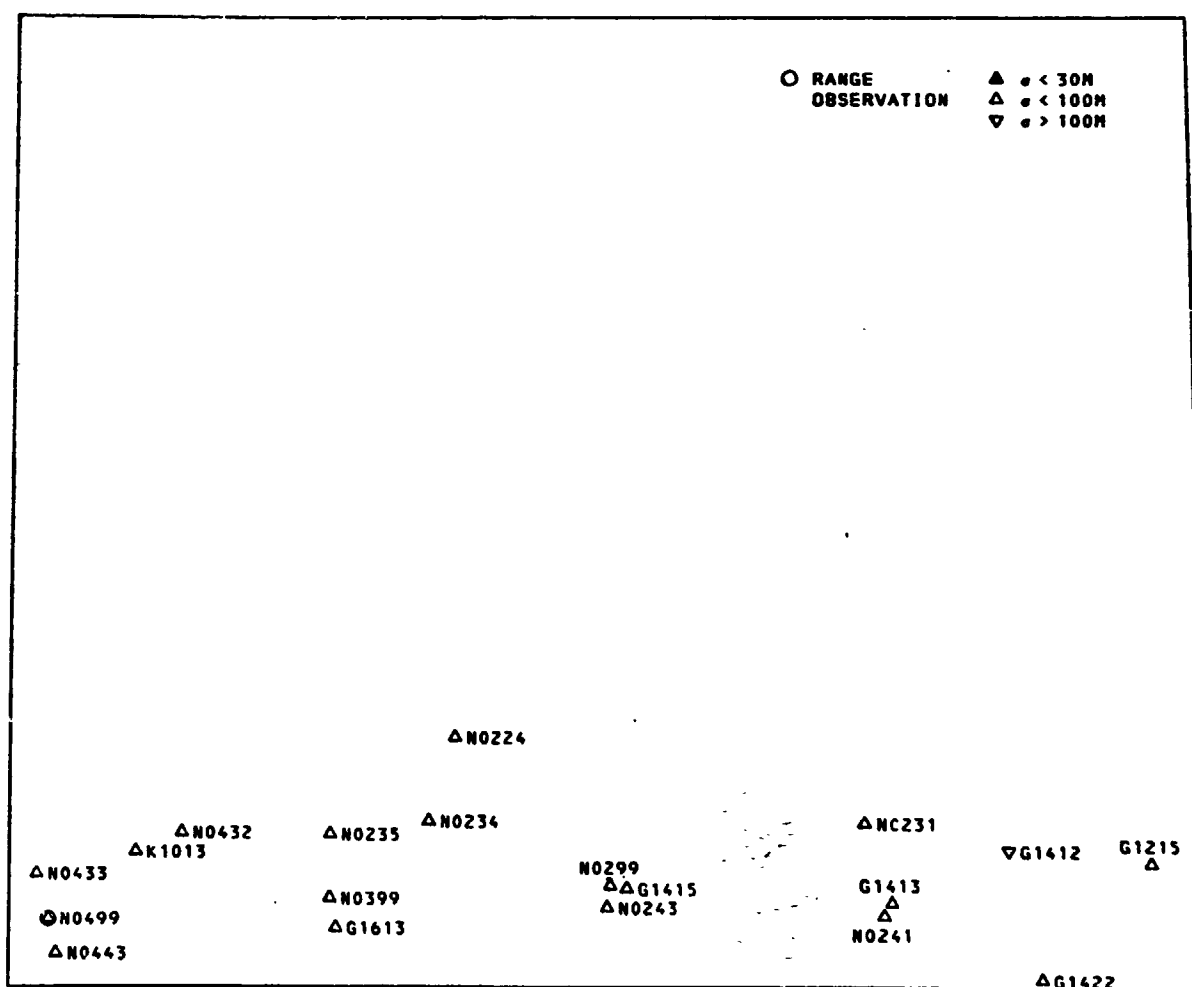
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N1245	X = -840312 Y = 1509046 Z = 190386	33 37 22	LAT. = 6 17 24.3 LONG. = 119 6 40.4 RAD. = 1737696.8	2.6 3.7 37.8
K1883	X = -856159 Y = 1498579 Z = 186795	37 42 23	LAT. = 6 10 37.5 LONG. = 119 44 23.7 RAD. = 1735983.7	2.8 3.9 45.4
K1889	X = -843740 Y = 1507275 Z = 180967	33 37 22	LAT. = 5 58 50.8 LONG. = 119 14 21.0 RAD. = 1736814.1	2.6 3.8 38.0
K1891	X = -855449 Y = 1501208 Z = 175581	35 36 23	LAT. = 5 48 8.7 LONG. = 119 40 34.5 RAD. = 1736734.6	2.9 3.8 37.8
G2613	X = -863662 Y = 1496401 Z = 164820	32 35 21	LAT. = 5 26 57.4 LONG. = 119 59 30.4 RAD. = 1735595.9	2.6 3.7 36.1
K1886	X = -855385 Y = 1502215 Z = 158178	31 34 20	LAT. = 5 13 41.2 LONG. = 119 39 28.3 RAD. = 1735901.1	2.4 3.7 33.6
K1890	X = -844575 Y = 1514735 Z = 143691	31 33 21	LAT. = 4 44 10.8 LONG. = 119 8 34.2 RAD. = 1740222.8	2.4 3.6 33.9
K1885	X = -861867 Y = 1499837 Z = 141978	32 35 21	LAT. = 4 41 31.5 LONG. = 119 53 .3 RAD. = 1735651.2	2.5 3.7 35.9
K1887	X = -853966 Y = 1508278 Z = 134158	31 33 20	LAT. = 4 25 33.6 LONG. = 119 31 4.6 RAD. = 1738436.3	2.4 3.6 33.1
G2624	X = -847519 Y = 1514390 Z = 133801	31 33 21	LAT. = 4 24 31.7 LONG. = 119 13 59.8 RAD. = 1740565.9	2.4 3.6 33.8
T2889	X = -858226 Y = 1509629 Z = 88764	18 23 17	LAT. = 2 55 34.2 LONG. = 119 37 5.8 RAD. = 1738796.3	2.1 2.2 22.9
G2644	X = -851132 Y = 1514618 Z = 65992	32 40 26	LAT. = 2 10 31.0 LONG. = 119 20 1.0 RAD. = 1738634.2	3.0 3.8 40.4



MAP SHEET 66A

TERRAIN POINTS ON MAP SHEET 66A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0833	X = -1120325 Y = 1304314 Z = 256946	47 47 34	LAT. = 8 29 57.5 LONG. = 130 39 37.9 RAD. = 1738500.5	4.5 4.9 50.1
N0635	X = -1177982 Y = 1255914 Z = 259147	49 47 33	LAT. = 8 33 31.6 LONG. = 133 9 57.8 RAD. = 1741298.3	4.3 5.1 50.5
N0799	X = -1180836 Y = 1256143 Z = 244085	55 72 41	LAT. = 8 3 29.8 LONG. = 133 13 48.1 RAD. = 1741219.6	5.7 5.6 74.1
N0633	X = -1228740 Y = 1205998 Z = 263665	60 70 45	LAT. = 8 42 24.5 LONG. = 135 32 6.5 RAD. = 1741767.1	6.2 5.7 73.8
N0699	X = -1232021 Y = 1206198 Z = 248607	58 69 39	LAT. = 8 12 17.5 LONG. = 135 36 24.5 RAD. = 1742008.7	5.4 5.7 73.6
K1213	X = -1241664 Y = 1196038 Z = 253498	49 48 31	LAT. = 8 21 53.2 LONG. = 136 4 20.1 RAD. = 1742554.9	4.0 5.3 51.0
N0435	X = -1276715 Y = 1151483 Z = 278561	63 69 48	LAT. = 9 12 1 LONG. = 137 57 1 RAD. = 1741697.8	6.7 5.8 74.6
N0599	X = -1276099 Y = 1149945 Z = 253222	54 49 33	LAT. = 8 23 8.4 LONG. = 137 58 36.1 RAD. = 1736353.6	4.3 5.5 55.5
N0445	X = -1276023 Y = 1151797 Z = 245334	57 49 34	LAT. = 8 7 20.8 LONG. = 137 55 44.9 RAD. = 1736393.2	4.5 5.5 57.3
K1025	X = -1288712 Y = 1135028 Z = 256905	48 50 31	LAT. = 8 30 29.9 LONG. = 138 37 41.3 RAD. = 1736395.2	4.0 5.5 50.8



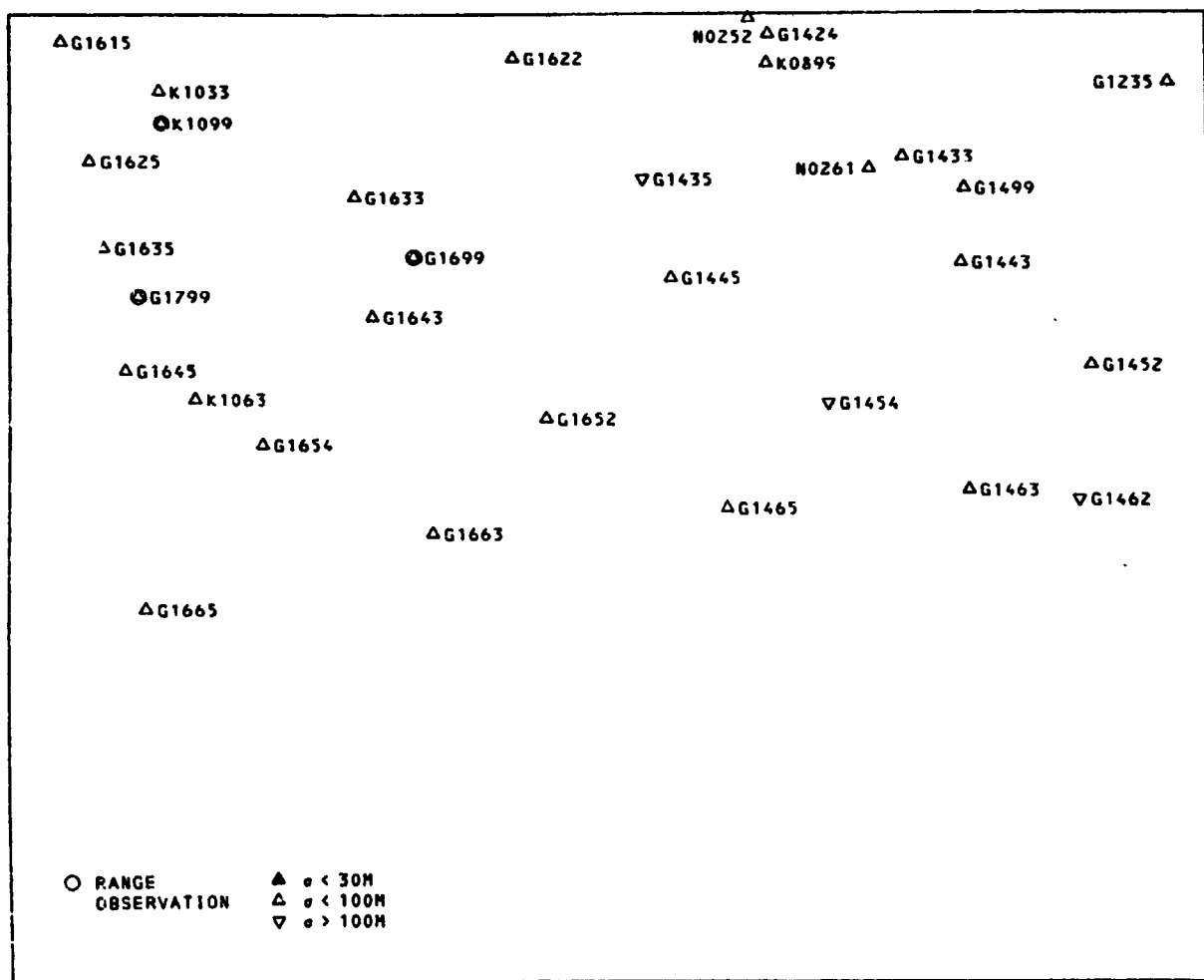
MAP SHEET 66B

TERRAIN POINTS ON MAP SHEET 66B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0433	X = -1318290 Y = 1097242 Z = 269618	71 68 43	LAT. = 8 56 .8 LONG. = 140 13 43.1 RAD. = 1736238.0	6.0 6.0 80.5
N0499	X = -1321515 Y = 1095991 Z = 258457	61 52 40	LAT. = 8 33 39.9 LONG. = 140 19 46.5 RAD. = 1736202.1	5.4 5.8 60.5
N0443	X = -1323785 Y = 1095411 Z = 249964	56 57 34	LAT. = 8 16 37.8 LONG. = 140 23 34.1 RAD. = 1736321.8	4.5 5.6 62.7
N0432	X = -1340078 Y = 1067892 Z = 279782	53 53 35	LAT. = 9 16 23.9 LONG. = 141 26 56.7 RAD. = 1736225.7	4.5 5.8 55.5
K1013	X = -1333422 Y = 1077518 Z = 275021	54 52 34	LAT. = 9 6 49.7 LONG. = 141 3 31.9 RAD. = 1736288.0	4.4 5.8 55.6
N0235	X = -1364113 Y = 1039245 Z = 279565	73 67 44	LAT. = 9 15 32.6 LONG. = 142 41 53.4 RAD. = 1737523.8	6.2 6.1 80.4
N0399	X = -1365088 Y = 1040221 Z = 263637	61 52 36	LAT. = 8 43 59.0 LONG. = 142 41 31.0 RAD. = 1736384.1	4.8 5.9 60.6
G1613	X = -1367038 Y = 1039767 Z = 256354	55 54 34	LAT. = 8 29 21.0 LONG. = 142 44 36.3 RAD. = 1736555.5	4.4 5.8 57.9
N0224	X = -1382460 Y = 1013304 Z = 303961	65 79 54	LAT. = 10 3 21.6 LONG. = 143 45 34.7 RAD. = 1740796.9	7.6 6.8 77.9
N0234	X = -1379218 Y = 1019375 Z = 282838	67 76 45	LAT. = 9 21 53.0 LONG. = 143 31 55.3 RAD. = 1738207.6	6.4 6.6 80.1
N0299	X = -1408945 Y = 984360 Z = 267181	69 75 45	LAT. = 8 50 9.5 LONG. = 145 3 35.6 RAD. = 1739390.1	6.3 6.6 81.1
G1415	X = -1411475 Y = 981098 Z = 266453	59 62 37	LAT. = 8 48 40.3 LONG. = 145 11 50.4 RAD. = 1739486.1	5.0 6.3 63.9

TERRAIN POINTS ON MAP SHEET 66B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0243	X = -1408990 Y = 985393 Z = 261732	59 61 36	LAT. = 8 39 19.5 LONG. = 145 1 57.2 RAD. = 1739182.6	4.8 6.3 64.2
N0231	X = -1443155 Y = 930165 Z = 282751	69 70 48	LAT. = 9 21 6.1 LONG. = 147 11 48.4 RAD. = 1740072.0	6.5 7.6 70.8
G1413	X = -1448488 Y = 926050 Z = 262912	68 71 41	LAT. = 8 41 40.7 LONG. = 147 24 30.0 RAD. = 1739198.2	5.6 7.7 71.3
N0241	X = -1448109 Y = 928101 Z = 259691	68 71 41	LAT. = 8 35 9.0 LONG. = 147 20 38.3 RAD. = 1739491.6	5.4 7.6 71.2
G1412	X = -1462324 Y = 899800 Z = 276004	100 80 58	LAT. = 9 7 55.7 LONG. = 148 23 42.3 RAD. = 1739025.2	8.2 8.9 97.4
G1422	X = -1470531 Y = 895550 Z = 244051	95 82 42	LAT. = 8 4 3.5 LONG. = 148 39 31.2 RAD. = 1738974.2	5.9 8.9 97.4
G1215	X = -1481603 Y = 870383 Z = 273223	72 75 41	LAT. = 9 2 4.6 LONG. = 149 34 2.9 RAD. = 1739931.9	5.4 9.1 69.0



MAP SHEET 66C

TERRAIN POINTS ON MAP SHEET 66C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1615	X = -1326391	57	LAT. = 7 46 33.0	4.1
	Y = 1096249	50	LONG. = 140 25 35.8	5.7
	Z = 234978	32	RAD. = 1736746.8	58.4
G1625	X = -1333540	51	LAT. = 6 47 45.9	3.5
	Y = 1092892	52	LONG. = 140 39 50.2	5.6
	Z = 205475	29	RAD. = 1736364.6	54.9
G1635	X = -1337661	50	LAT. = 6 4 56.7	3.3
	Y = 1091899	50	LONG. = 140 46 34.0	5.5
	Z = 183998	28	RAD. = 1736500.5	53.6
G1645	X = -1343399	49	LAT. = 5 4 5.8	3.5
	Y = 1089484	50	LONG. = 140 57 29.8	5.5
	Z = 153403	31	RAD. = 1736441.9	53.4
K1033	X = -1342788	48	LAT. = 7 22 15.1	3.3
	Y = 1078036	48	LONG. = 141 14 28.7	5.5
	Z = 222757	27	RAD. = 1736336.1	50.0
K1099	X = -1343918	46	LAT. = 7 6 25.3	3.3
	Y = 1078190	44	LONG. = 141 15 39.0	5.6
	Z = 214821	28	RAD. = 1736305.5	44.2
G1799	X = -1344079	46	LAT. = 5 40 46.0	3.2
	Y = 1085799	44	LONG. = 141 4 2.6	5.5
	Z = 171837	27	RAD. = 1736385.3	43.8
K1063	X = -1354799	47	LAT. = 4 49 42.0	3.5
	Y = 1076310	48	LONG. = 141 32 5.5	5.5
	Z = 146159	30	RAD. = 1736457.6	50.0
G1665	X = -1350904	54	LAT. = 3 5 30.1	5.1
	Y = 1089228	53	LONG. = 141 7 15.4	5.8
	Z = 93730	44	RAD. = 1737856.4	59.9
G1633	X = -1375533	53	LAT. = 6 29 28.5	3.3
	Y = 1041551	51	LONG. = 142 52 1.4	5.7
	Z = 196314	29	RAD. = 1736507.3	56.1
G1654	X = -1366041	64	LAT. = 4 26 55.0	5.2
	Y = 1063643	61	LONG. = 142 5 40.4	5.8
	Z = 134694	47	RAD. = 1736533.5	75.6
G1699	X = -1385828	48	LAT. = 5 59 29.7	3.4
	Y = 1030434	46	LONG. = 143 22 2.4	5.7
	Z = 181252	28	RAD. = 1736423.2	45.7

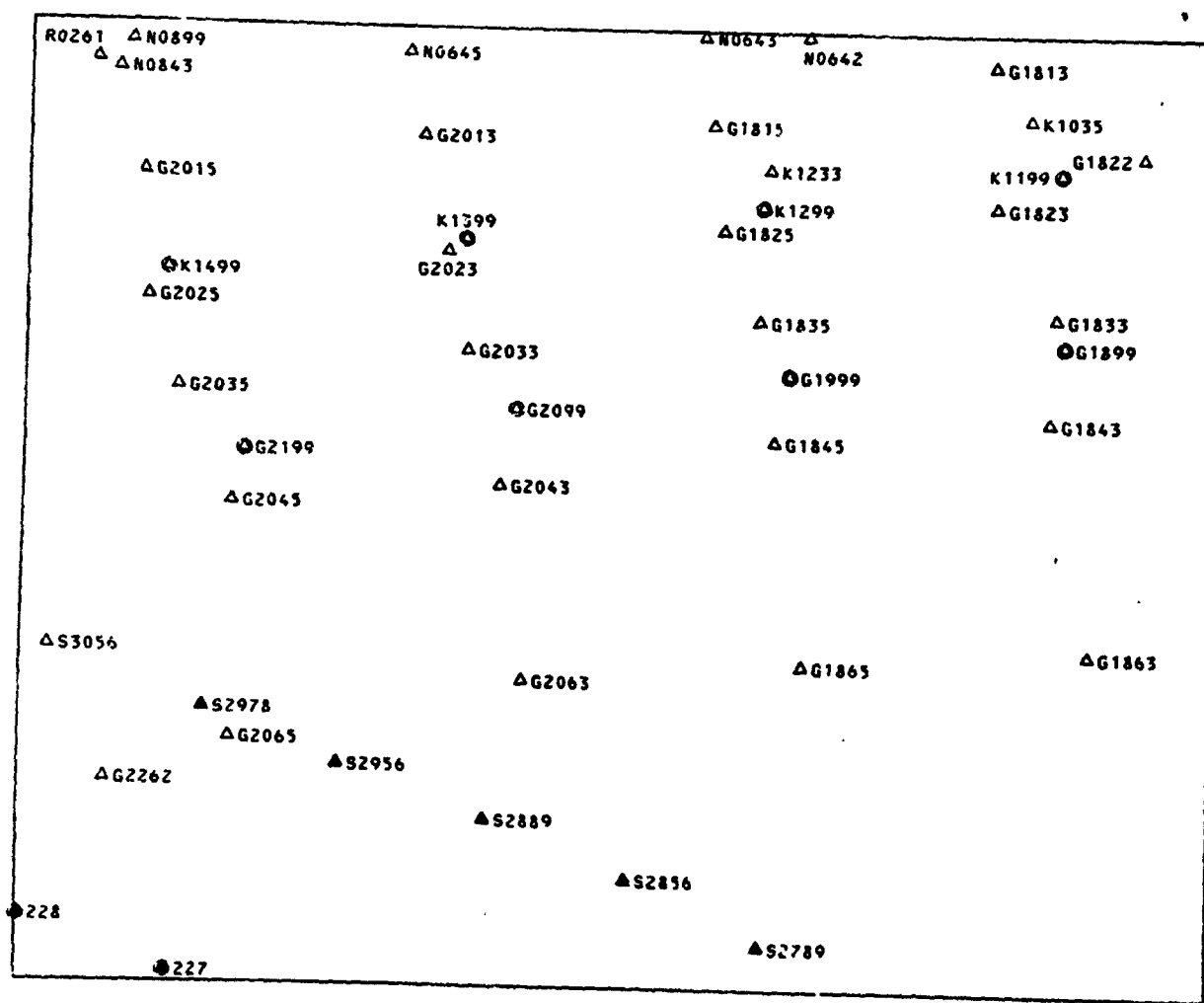
TERRAIN POINTS ON MAP SHEET 66C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1643	X = -1380894 Y = 1039926 Z = 166477	52 51 31	LAT. = 5 30 2.9 LONG. = 143 1 2.2 RAD. = 1736671.3	3.5 5.7 55.8
G1663	X = -1393328 Y = 1030620 Z = 112184	56 56 44	LAT. = 3 42 13.2 LONG. = 143 30 37.1 RAD. = 1736699.6	5.0 6.0 62.5
G1622	X = -1395712 Y = 1006534 Z = 230735	54 59 30	LAT. = 7 38 13.3 LONG. = 144 12 8.3 RAD. = 1736191.5	3.7 6.1 60.7
G1652	X = -1409326 Y = 1006472 Z = 141019	52 58 40	LAT. = 4 39 18.9 LONG. = 144 28 2.7 RAD. = 1737547.2	4.5 6.1 59.7
G1435	X = -1419509 Y = 983333 Z = 200832	102 63 36	LAT. = 6 38 1.4 LONG. = 145 17 19.0 RAD. = 1738471.3	4.3 7.7 100.9
G1445	X = -1426012 Y = 979355 Z = 176206	55 62 33	LAT. = 5 48 57.4 LONG. = 145 31 10.4 RAD. = 1738877.4	3.7 6.4 63.7
G1465	X = -1435549 Y = 969188 Z = 118418	59 66 51	LAT. = 3 54 39.9 LONG. = 145 58 31.4 RAD. = 1736130.7	5.7 6.8 69.4
N0252	X = -1431960 Y = 958961 Z = 241016	59 68 34	LAT. = 7 57 40.1 LONG. = 146 11 25.4 RAD. = 1740173.7	4.3 6.9 67.2
G1424	X = -1435025 Y = 955335 Z = 236997	91 75 42	LAT. = 7 49 39.5 LONG. = 146 20 50.0 RAD. = 1740152.0	5.8 7.3 97.5
K0899	X = -1435592 Y = 956212 Z = 229729	58 68 32	LAT. = 7 35 10.5 LONG. = 146 20 .3 RAD. = 1740127.1	4.0 7.0 67.2
G1454	X = -1448505 Y = 946964 Z = 144591	85 80 60	LAT. = 4 46 33.6 LONG. = 146 49 30.8 RAD. = 1736610.1	6.4 7.5 101.1
G1433	X = -1457305 Y = 929739 Z = 206470	65 70 33	LAT. = 6 48 40.5 LONG. = 147 27 45.8 RAD. = 1740914.5	3.9 7.6 70.9

TERRAIN POINTS ON MAP SHEET 66C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0261	X = -1453053 Y = 936970 Z = 203520	81 84 35	LAT. = 6 42 48.8 LONG. = 147 11 5.7 RAD. = 1740889.4	4.2 7.7 96.5
G1499	X = -1465555 Y = 916653 Z = 198459	97 74 38	LAT. = 6 32 57.6 LONG. = 147 58 31.7 RAD. = 1739968.8	4.3 8.8 97.7
G1443	X = -1468071 Y = 919430 Z = 180139	63 73 36	LAT. = 5 56 13.2 LONG. = 147 56 30.3 RAD. = 1741560.6	4.0 7.9 70.1
G1463	X = -1472790 Y = 920631 Z = 123159	62 73 52	LAT. = 4 3 21.6 LONG. = 147 59 26.8 RAD. = 1741217.9	5.9 7.9 70.1
G1462	X = -1485272 Y = 895767 Z = 120628	87 82 77	LAT. = 3 58 42.1 LONG. = 148 54 21.0 RAD. = 1738672.9	8.5 8.9 97.7
G1235	X = -1489128 Y = 870989 Z = 224742	71 75 34	LAT. = 7 25 20.6 LONG. = 149 40 36.1 RAD. = 1739721.8	4.2 9.1 69.3
G1452	X = -1486813 Y = 892760 Z = 154482	85 83 55	LAT. = 5 5 25.1 LONG. = 149 1 1.9 RAD. = 1741119.2	6.0 8.9 95.0

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MAP SHEET 66D

TERRAIN POINTS ON MAP SHEET 66D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N0899	X = -1127441	46	LAT. = 7 50 34.7	3.9
	Y = 1304482	46	LONG. = 130 50 55.8	4.9
	Z = 237546	31	RAD. = 1740790.5	49.1
R0261	X = -1121997	53	LAT. = 7 41 14.8	5.5
	Y = 1311044	71	LONG. = 130 33 25.4	5.2
	Z = 232926	40	RAD. = 1741255.1	73.2
N0843	X = -1126322	46	LAT. = 7 36 47.4	3.8
	Y = 1307420	46	LONG. = 130 44 39.8	4.9
	Z = 230658	30	RAD. = 1741019.7	49.1
G2015	X = -1133402	41	LAT. = 6 45 45.0	3.1
	Y = 1305317	42	LONG. = 130 58 3.6	4.6
	Z = 204989	25	RAD. = 1740825.5	43.2
S3056	X = -1122458	26	LAT. = 2 47 58.3	2.6
	Y = 1326731	27	LONG. = 130 13 56.4	2.4
	Z = 84980	21	RAD. = 1739927.9	30.6
G2262	X = -1134739	64	LAT. = 1 41 43.1	7.6
	Y = 1318670	71	LONG. = 130 42 45.3	5.1
	Z = 51490	67	RAD. = 1740452.5	86.4
228	X = -1119083	22	LAT. = 0 32 51.2	1.7
	Y = 1333272	19	LONG. = 130 0 30.4	2.4
	Z = 16636	14	RAD. = 1740757.6	20.8
K1499	X = -1139482	39	LAT. = 5 57 18.3	2.9
	Y = 1302565	37	LONG. = 131 10 45.7	4.6
	Z = 180525	24	RAD. = 1740024.3	37.0
G2025	X = -1136885	41	LAT. = 5 45 27.1	2.9
	Y = 1306991	41	LONG. = 131 1 6.1	4.6
	Z = 173642	24	RAD. = 1740943.8	43.2
G2035	X = -1144890	40	LAT. = 4 58 41.5	2.3
	Y = 1304215	41	LONG. = 131 16 40.5	4.6
	Z = 151166	24	RAD. = 1742011.3	42.9
G2199	X = -1156661	40	LAT. = 4 27 27.0	3.0
	Y = 1291916	38	LONG. = 131 50 17.9	4.7
	Z = 135178	25	RAD. = 1739305.5	37.8
G2045	X = -1155395	39	LAT. = 4 1 16.3	3.0
	Y = 1294905	42	LONG. = 131 44 28.8	4.6
	Z = 121998	26	RAD. = 1739712.5	43.2

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

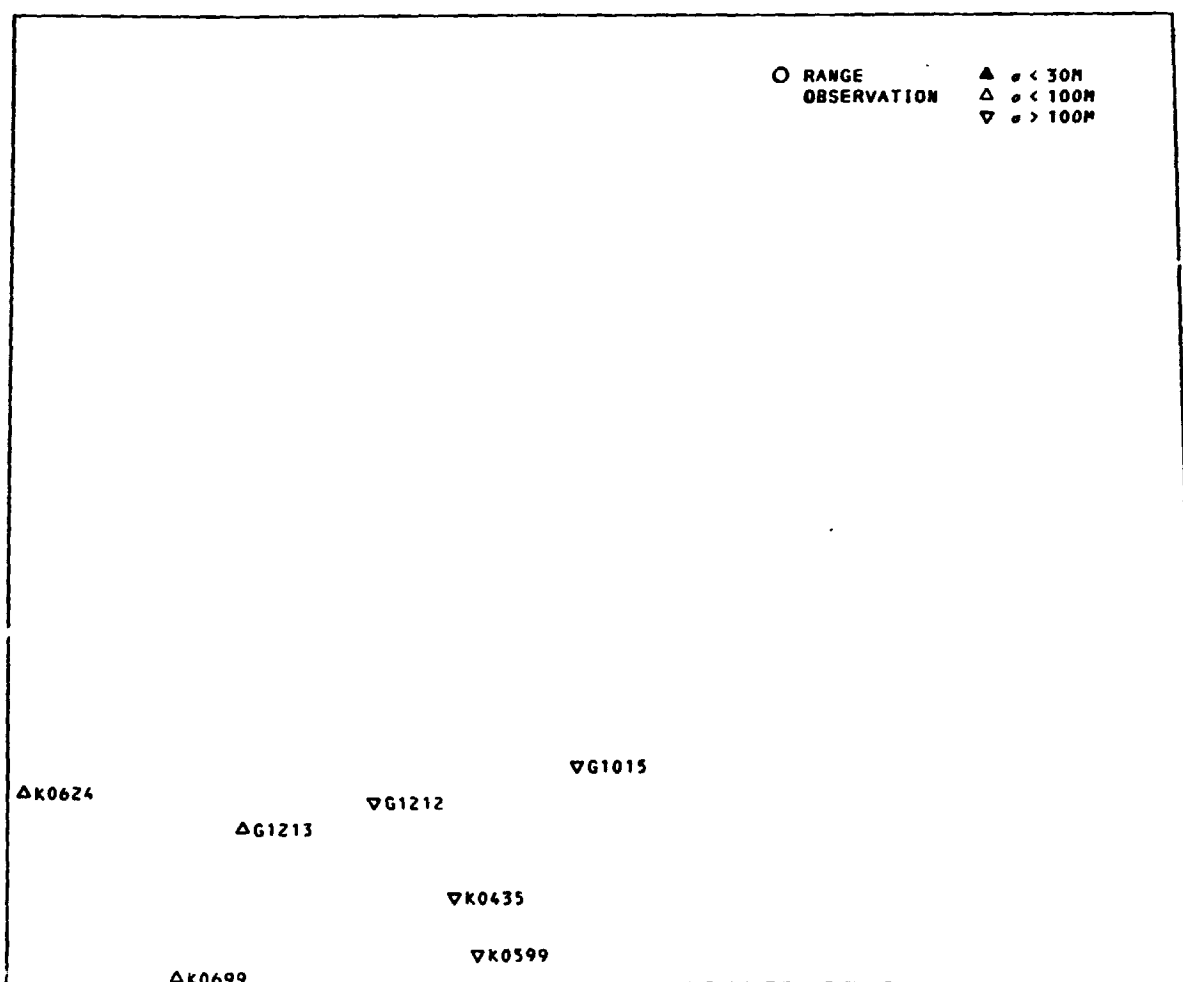
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2978	X = -1153975 Y = 1303188 Z = 69759	25 26 21	LAT. = 2 17 41.8 LONG. = 131 31 29.8 RAD. = 1742074.7	2.5 2.4 30.0
G2065	X = -1158919 Y = 1298681 Z = 62212	47 49 40	LAT. = 2 2 49.3 LONG. = 131 44 42.5 RAD. = 1741704.7	4.6 4.9 53.8
227	X = -1147493 Y = 1308938 Z = 2836	22 19 14	LAT. = 0 5 36.0 LONG. = 131 14 23.1 RAD. = 1740708.6	1.7 2.4 21.2
S2956	X = -1179206 Y = 1279583 Z = 55683	25 25 21	LAT. = 1 49 58.3 LONG. = 132 39 44.2 RAD. = 1740964.7	2.5 2.4 28.6
N0645	X = -1180559 Y = 1257920 Z = 236033	48 47 30	LAT. = 7 47 27.0 LONG. = 133 10 58.5 RAD. = 1741204.2	3.8 5.1 50.6
G2013	X = -1185296 Y = 1256920 Z = 215135	44 43 27	LAT. = 7 5 53.5 LONG. = 133 19 12.5 RAD. = 1740993.1	3.4 4.9 45.2
K1399	X = -1195217 Y = 1251265 Z = 189061	44 40 29	LAT. = 6 14 7.4 LONG. = 133 41 15.4 RAD. = 1740675.0	3.4 5.4 39.3
G2023	X = -1192915 Y = 1255438 Z = 186004	43 43 25	LAT. = 6 7 49.2 LONG. = 133 32 13.8 RAD. = 1741771.5	3.0 4.8 44.9
G2033	X = -1198400 Y = 1253258 Z = 160961	42 43 25	LAT. = 5 18 12.0 LONG. = 133 43 5.4 RAD. = 1741472.6	2.9 4.8 44.9
S2889	X = -1207393 Y = 1254346 Z = 42078	25 25 21	LAT. = 1 23 4.2 LONG. = 133 54 26.4 RAD. = 1741537.9	2.5 2.4 28.0
G2099	X = -1208854 Y = 1245863 Z = 146373	40 39 25	LAT. = 4 49 10.9 LONG. = 134 8 10.4 RAD. = 1742104.6	2.9 4.8 39.1
G2043	X = -1207416 Y = 1250168 Z = 126981	41 43 27	LAT. = 4 10 43.0 LONG. = 134 0 12.2 RAD. = 1742669.6	3.1 4.8 44.5

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2063	X = -1213914 Y = 1247883 Z = 77563	48 50 39	LAT. = 2 33 3.6 LONG. = 134 12 34.1 RAD. = 1742646.0	4.5 5.1 54.7
N0643	X = -1234901 Y = 1205191 Z = 241037	47 47 30	LAT. = 7 57 7.5 LONG. = 135 41 51.3 RAD. = 1742287.0	3.8 5.1 49.0
G1815	X = -1238925 Y = 1205637 Z = 218673	46 47 28	LAT. = 7 12 33.3 LONG. = 135 46 48.6 RAD. = 1742502.2	3.4 5.1 48.8
G1825	X = -1241648 Y = 1204385 Z = 191757	51 48 28	LAT. = 6 19 32.4 LONG. = 135 52 22.0 RAD. = 1740403.3	3.4 5.2 54.4
S2856	X = -1234088 Y = 1229442 Z = 27420	25 24 20	LAT. = 0 54 6.4 LONG. = 135 6 28.9 RAD. = 1742197.6	2.4 2.4 27.7
N0642	X = -1253832 Y = 1186498 Z = 241447	48 46 30	LAT. = 7 57 44.2 LONG. = 136 34 49.8 RAD. = 1743034.8	3.8 5.2 49.1
K1233	X = -1248293 Y = 1194398 Z = 207420	45 45 26	LAT. = 6 50 45.8 LONG. = 136 15 50.3 RAD. = 1740070.1	3.1 5.1 46.5
K1299	X = -1247901 Y = 1196411 Z = 197829	42 41 26	LAT. = 6 31 41.3 LONG. = 136 12 24.4 RAD. = 1740055.2	3.0 5.1 40.4
G1835	X = -1249719 Y = 1198850 Z = 159095	44 45 26	LAT. = 5 34 36.6 LONG. = 136 11 24.6 RAD. = 1740009.3	3.0 5.1 46.5
C1999	X = -1255456 Y = 1193695 Z = 155446	42 41 26	LAT. = 5 7 38.9 LONG. = 136 26 40.3 RAD. = 1739321.8	3.0 5.1 40.7
G1845	X = -1254580 Y = 1197894 Z = 138669	44 45 28	LAT. = 4 34 14.2 LONG. = 136 19 26.7 RAD. = 1740157.5	3.2 5.1 46.1
G1865	X = -1263920 Y = 1196269 Z = 82149	49 51 40	LAT. = 2 42 9.5 LONG. = 136 34 30.5 RAD. = 1742211.6	4.6 5.3 55.6

TERRAIN POINTS ON MAP SHEET 66D (CONTINUED)

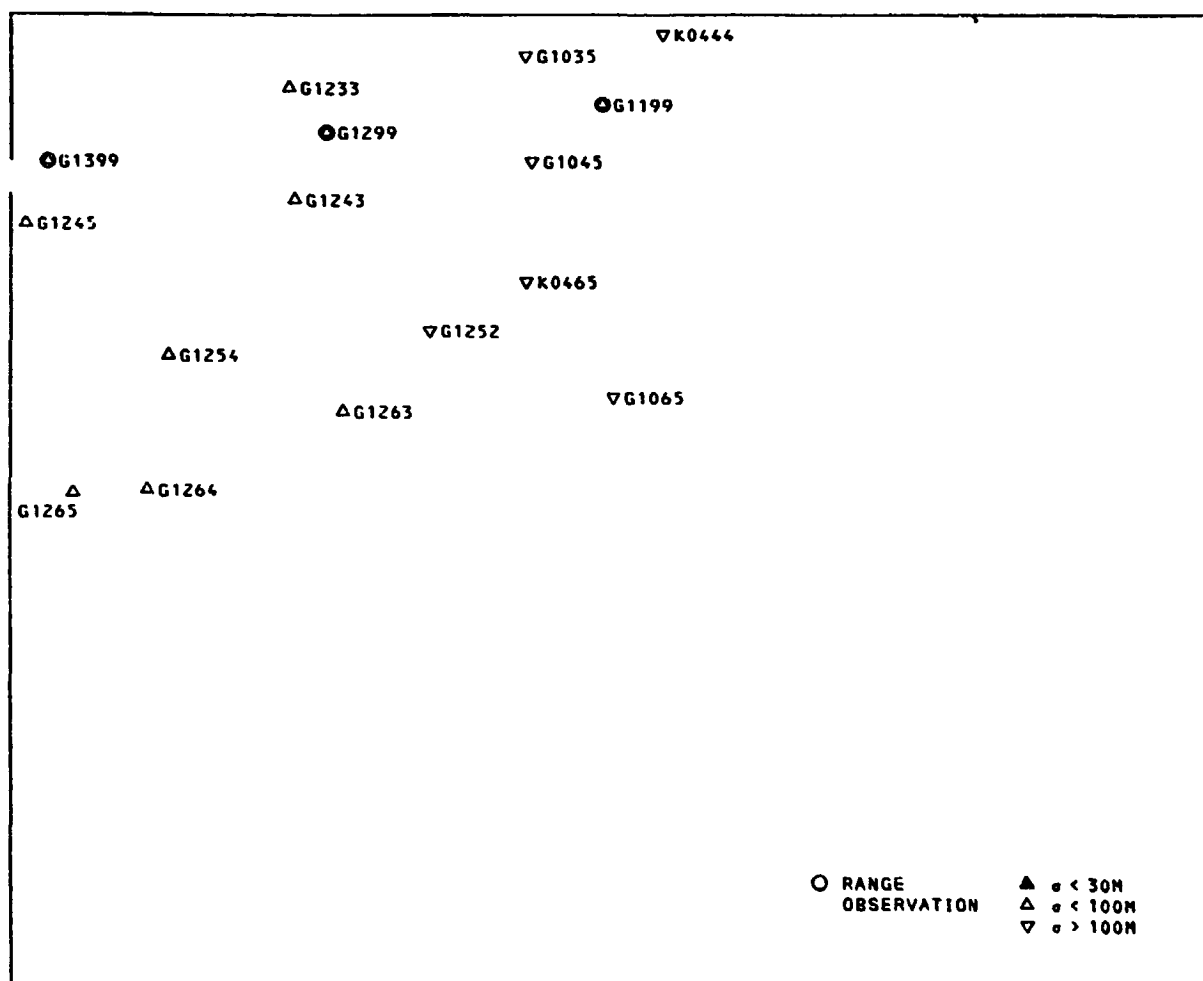
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2789	X = -1258097 Y = 1204977 Z = 10874	25 23 20	LAT. = 0 21 27.5 LONG. = 136 14 7.7 RAD. = 1742095.1	2.3 2.4 27.5
G1813	X = -1282038 Y = 1147374 Z = 233741	49 49 29	LAT. = 7 44 12.0 LONG. = 138 10 21.7 RAD. = 1736295.6	3.7 5.3 52.2
K1035	X = -1289418 Y = 1141750 Z = 220494	47 46 27	LAT. = 7 17 44.4 LONG. = 138 28 33.1 RAD. = 1736320.3	3.3 5.3 48.6
K1199	X = -1295846 Y = 1137214 Z = 207040	44 43 26	LAT. = 6 50 51.6 LONG. = 138 43 49.2 RAD. = 1736473.6	3.1 5.3 42.3
G1823	X = -1285848 Y = 1150013 Z = 198302	54 68 30	LAT. = 6 33 26.9 LONG. = 138 11 30.4 RAD. = 1736450.2	3.8 5.9 70.6
G1833	X = -1298175 Y = 1140669 Z = 170659	47 47 28	LAT. = 5 38 23.7 LONG. = 138 41 42.6 RAD. = 1736522.6	3.2 5.4 48.8
G1899	X = -1300074 Y = 1139490 Z = 163654	45 43 27	LAT. = 5 24 28.1 LONG. = 138 45 57.8 RAD. = 1736494.9	3.2 5.4 42.3
G1843	X = -1299113 Y = 1143162 Z = 144388	46 46 29	LAT. = 4 46 10.8 LONG. = 138 39 13.2 RAD. = 1736479.9	3.3 5.3 48.6
G1863	X = -1308627 Y = 1138196 Z = 85772	52 53 44	LAT. = 2 49 52.4 LONG. = 138 59 3.9 RAD. = 1736476.8	5.0 5.6 59.1
G1822	X = -1309239 Y = 1121027 Z = 211436	59 51 29	LAT. = 6 59 36.9 LONG. = 139 25 42.3 RAD. = 1736523.5	3.5 5.6 62.4



MAP SHEET 67A

TERRAIN POINTS ON MAP SHEET 67A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K0624	X = -1485090 Y = 852682 Z = 289148	72 79 45	LAT. = 9 35 2.1 LONG. = 150 8 13.9 RAD. = 1736710.9	6.1 9.3 69.7
G1213	X = -1514080 Y = 805425 Z = 280175	78 79 42	LAT. = 9 16 42.2 LONG. = 151 59 20.3 RAD. = 1737713.2	5.5 10.0 71.9
K0699	X = -1512813 Y = 823808 Z = 243663	95 86 40	LAT. = 8 3 4.5 LONG. = 151 25 45.6 RAD. = 1739722.1	5.4 9.9 95.7
G1212	X = -1529627 Y = 775855 Z = 286950	109 85 56	LAT. = 9 29 52.3 LONG. = 153 6 18.2 RAD. = 1738979.9	8.0 10.5 100.4
K0435	X = -1541830 Y = 759298 Z = 263495	102 90 46	LAT. = 8 42 59.1 LONG. = 153 46 52.8 RAD. = 1738735.8	6.4 10.5 101.0
K0599	X = -1546074 Y = 754958 Z = 249251	100 92 41	LAT. = 8 14 34.4 LONG. = 153 58 24.4 RAD. = 1738514.6	5.6 10.5 101.3
G1015	X = -1550212 Y = 728750 Z = 295930	100 104 63	LAT. = 9 48 5.9 LONG. = 154 49 18.9 RAD. = 1738335.1	8.9 11.1 102.2



MAP SHEET 67D

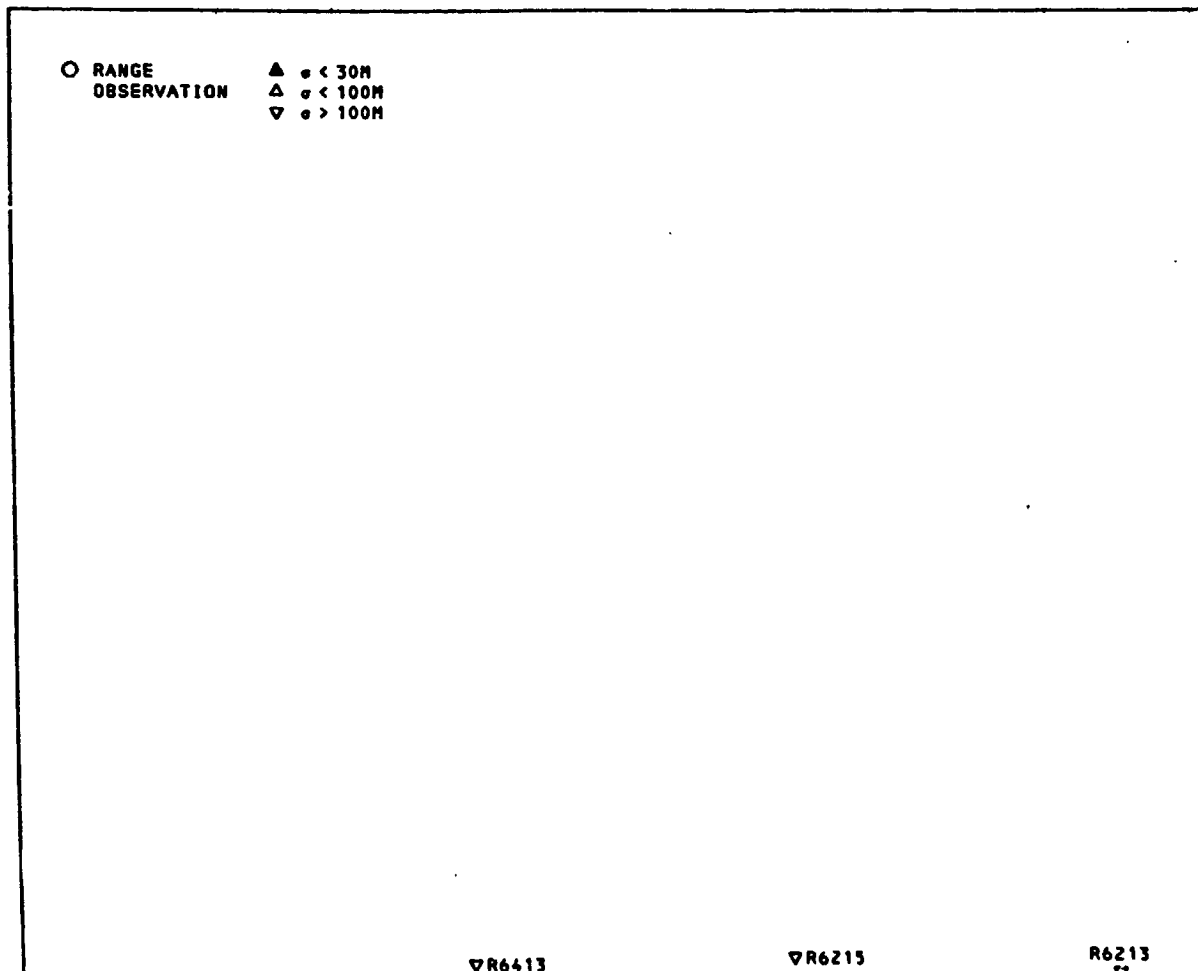
TERRAIN POINTS ON MAP SHEET 67D

POINT NO.	CARTECIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1399	X = -1501292 Y = 856196 Z = 205964	64 70 34	LAT. = 6 47 45.8 LONG. = 150 18 13.1 RAD. = 1740509.2	4.0 9.3 54.2
G1245	X = -1499703 Y = 861495 Z = 190389	69 77 35	LAT. = 6 16 54.9 LONG. = 150 7 30.2 RAD. = 1739980.7	4.1 9.2 69.0
G1265	X = -1508455 Y = 852497 Z = 122909	68 79 51	LAT. = 4 3 27.1 LONG. = 150 31 38.0 RAD. = 1737036.1	5.8 9.4 70.1
G1254	X = -1518271 Y = 830539 Z = 157207	93 85 58	LAT. = 5 11 25.9 LONG. = 151 19 12.1 RAD. = 1737715.6	6.3 9.9 97.2
G1264	X = -1518196 Y = 836550 Z = 123654	67 82 50	LAT. = 4 4 49.1 LONG. = 151 8 40.3 RAD. = 1737821.9	5.7 9.6 69.6
G1233	X = -1526958 Y = 800758 Z = 223947	76 80 35	LAT. = 7 24 1.7 LONG. = 152 19 36.7 RAD. = 1738668.0	4.3 9.9 71.6
G1299	X = -1533486 Y = 793513 Z = 212973	68 75 35	LAT. = 7 1 54.1 LONG. = 152 38 25.4 RAD. = 1739712.1	4.2 10.0 57.5
G1243	X = -1532541 Y = 801916 Z = 196249	74 80 37	LAT. = 6 28 23.2 LONG. = 152 22 43.6 RAD. = 1740765.9	4.2 9.9 70.8
G1263	X = -1540140 Y = 792132 Z = 143058	74 81 43	LAT. = 4 43 19.2 LONG. = 152 46 55.6 RAD. = 1737806.5	5.4 10.0 71.9
G1252	X = -1550499 Y = 772638 Z = 163486	97 86 60	LAT. = 5 23 28.3 LONG. = 153 30 43.9 RAD. = 1740041.7	6.5 10.3 99.6
G1035	X = -1552016 Y = 746141 Z = 231626	98 95 39	LAT. = 7 39 38.2 LONG. = 154 19 25.6 RAD. = 1737564.8	4.9 10.7 102.6
G1199	X = -1561518 Y = 722329 Z = 219477	72 80 39	LAT. = 7 15 26.8 LONG. = 154 57 51.9 RAD. = 1737362.5	4.6 10.4 62.3

TERRAIN POINTS ON MAP SHEET 67D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G1045	X = -1555749	96	LAT. = 6 47 11.0	4.7
	Y = 746295	95	LONG. = 154 22 22.5	10.7
	Z = 205336	43	RAD. = 1737663.2	102.5
K0465	X = -1558469	94	LAT. = 5 47 40.5	5.9
	Y = 749091	94	LONG. = 154 19 42.0	10.6
	Z = 175476	55	RAD. = 1738031.7	101.9
K0444	X = -1566999	91	LAT. = 7 50 18.7	5.0
	Y = 714813	111	LONG. = 155 28 44.8	11.8
	Z = 237110	39	RAD. = 1738581.5	103.2
G1065	X = -1570854	89	LAT. = 4 50 36.2	7.9
	Y = 730858	102	LONG. = 155 2 57.3	11.2
	Z = 146808	72	RAD. = 1738760.9	101.7

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MAP SHEET 76A

TERRAIN POINTS ON MAP SHEET 76A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	DEV
R6413	X = 1542453	552	LAT. = - 7 55 20.6	24.2
	Y = -758639	1574	LONG. = - 26 11 23.1	196.3
	Z = -239205	199	RAD. = 1735486.3	322.0
R6215	X = 1576589	472	LAT. = - 7 51 43.5	22.6
	Y = -685071	1424	LONG. = - 23 29 10.5	177.1
	Z = -237371	191	RAD. = 1735309.6	271.5
R6213	X = 1607047	398	LAT. = - 7 57 53.9	19.5
	Y = -609037	1276	LONG. = - 20 45 20.3	158.2
	Z = -240459	168	RAD. = 1735323.4	223.5

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○ RANGE
OBSERVATION

▲ $\sigma < 30H$
△ $\sigma < 100H$
▽ $\sigma > 100H$

▽R6015

▽R6013

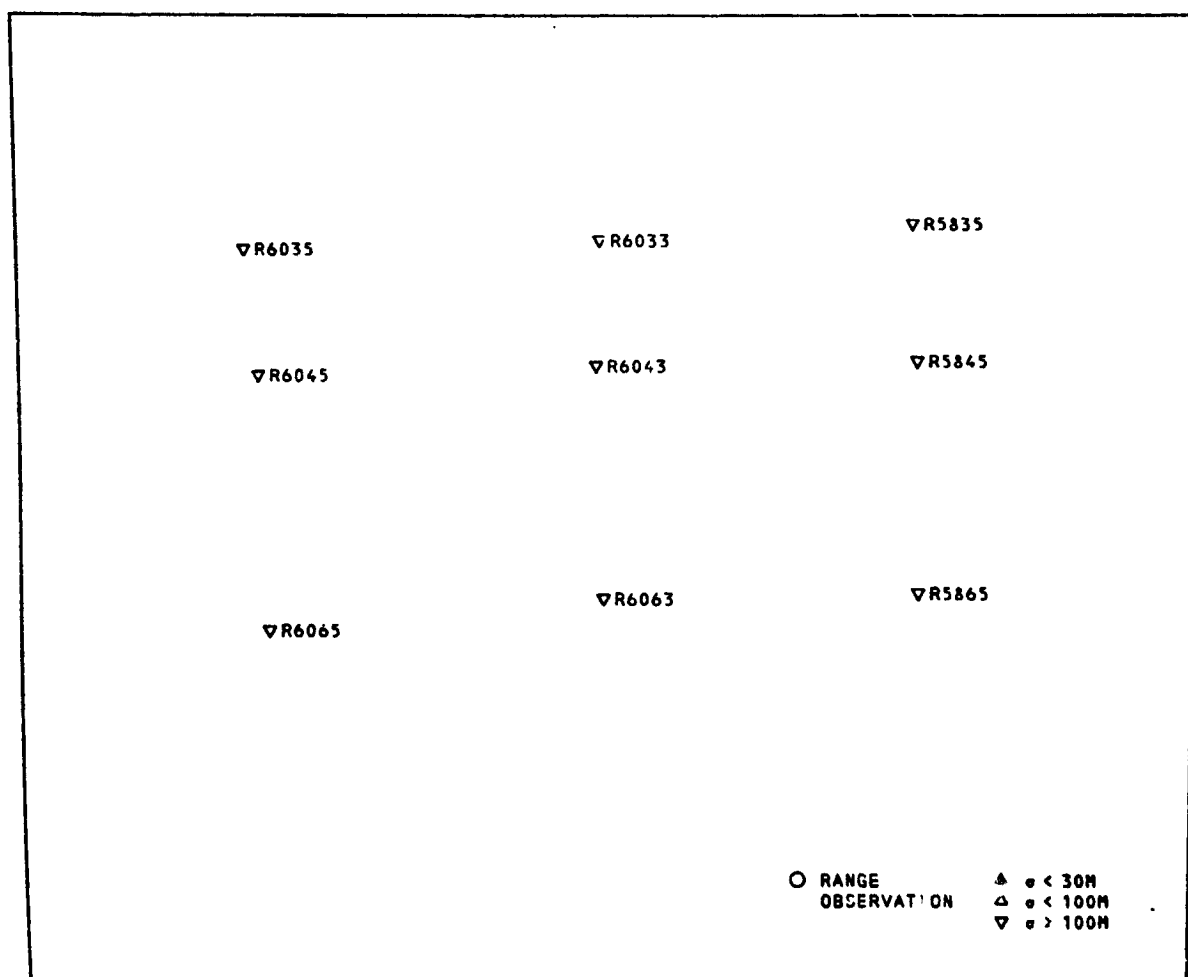
▽R5815

MAP SHEET 76B

TERRAIN POINTS ON MAP SHEET 76B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6015	X = 1635888	333	LAT. = - 7 51 30.7	18.4
	Y = -528588	1125	LONG. = - 17 54 24.0	139.0
	Z = -237286	163	RAD. = 1735465.3	190.6
R6013	X = 1660048	280	LAT. = - 7 40 42.2	17.9
	Y = -451209	986	LONG. = - 15 12 21.3	121.4
	Z = -231930	160	RAD. = 1735840.4	168.6
R5815	X = 1679492	237	LAT. = - 7 36 10.8	16.7
	Y = -373376	853	LONG. = - 12 32 1.9	104.7
	Z = -229655	152	RAD. = 1735755.0	155.7

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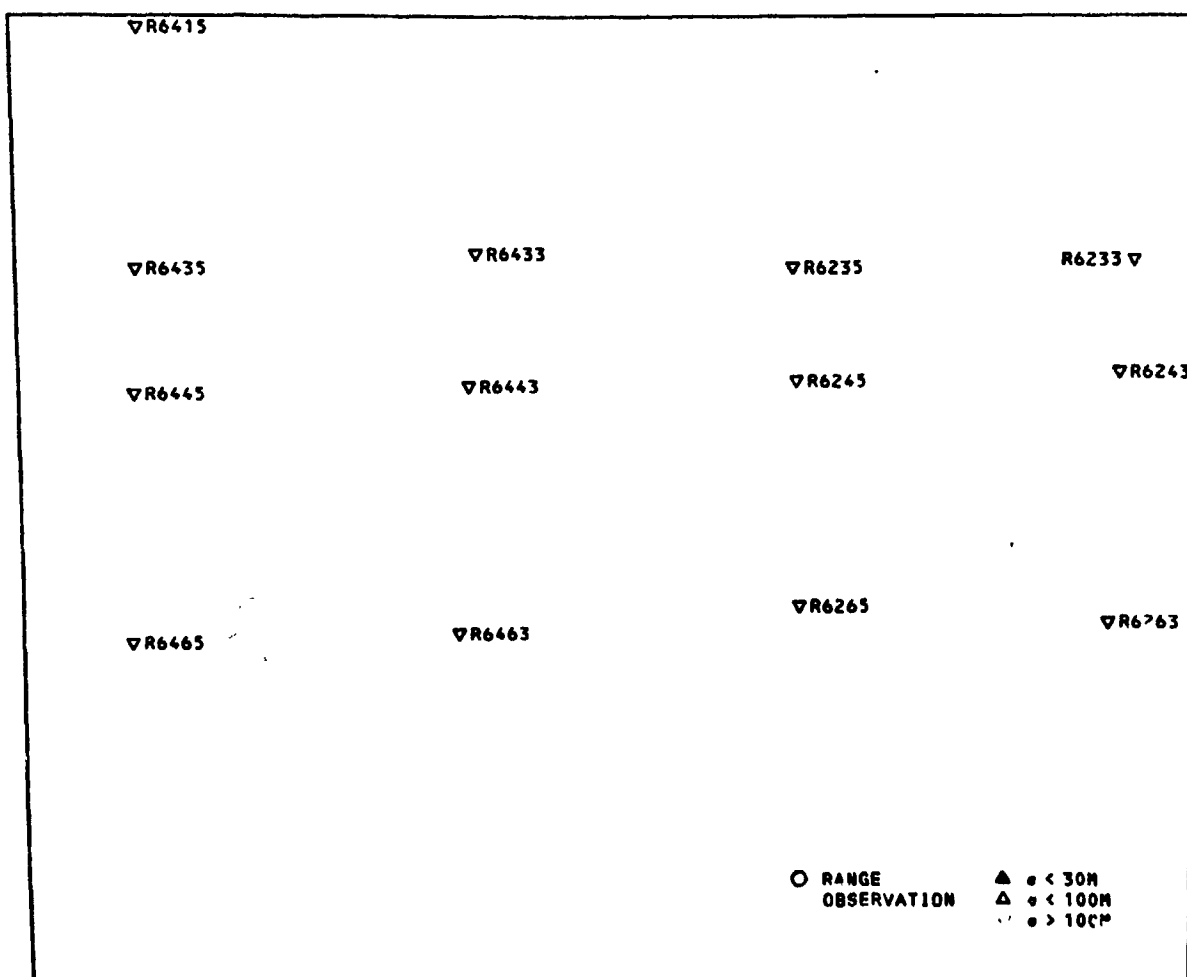


MAP SHEET 76C

TERRAIN POINTS ON MAP SHEET 76C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6035	X = 1625139 Y = -530425 Z = -299270	356 1128 70	LAT. = - 9 55 46.9 LONG. = - 18 4 33.7 RAD. = 1735508.9	6.6 140.9 192.7
R6045	X = 1620540 Y = -525389 Z = -330419	365 1119 88	LAT. = -10 58 35.6 LONG. = - 17 57 46.8 RAD. = 1735327.2	9.8 140.6 192.2
R6065	X = 1608820 Y = -519160 Z = -393121	390 1107 202	LAT. = -13 5 28.4 LONG. = - 17 53 4.8 RAD. = 1735619.2	24.8 141.2 191.2
R6033	X = 1651436 Y = -444034 Z = -297294	297 973 67	LAT. = - 9 51 43.7 LONG. = - 15 2 58.6 RAD. = 1735738.6	6.4 121.1 169.8
R6043	X = 1645901 Y = -443457 Z = -328255	308 972 84	LAT. = -10 54 .2 LONG. = - 15 4 45.1 RAD. = 1735913.4	10.0 121.7 169.8
R6063	X = 1634155 Y = -438556 Z = -385383	331 964 183	LAT. = -12 49 53.0 LONG. = - 15 1 20.7 RAD. = 1735314.2	23.2 122.2 169.1
R5835	X = 1670893 Y = -367234 Z = -293140	253 843 64	LAT. = - 9 43 23.4 LONG. = - 12 23 44.1 RAD. = 1735706.1	6.3 104.5 157.6
R5845	X = 1665007 Y = -364566 Z = -326944	264 839 81	LAT. = -10 51 30.4 LONG. = - 12 21 1.6 RAD. = 1735526.0	10.4 104.6 157.7
R5865	X = 1653250 Y = -361493 Z = -383825	286 834 176	LAT. = -12 46 43.7 LONG. = - 12 20 2.2 RAD. = 1735291.2	23.0 105.3 156.2

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MAP SHEET 76D

TERRAIN POINTS ON MAP SHEET 76D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6445	X = 1489216 Y = -826218 Z = -334565	685 1717 98	LAT. = -11 6 51.1 LONG. = - 29 1 17.6 RAD. = 1735607.3	8.1 219.0 388.2
R6465	X = 1477010 Y = -821021 Z = -395763	716 1705 227	LAT. = -13 10 51.6 LONG. = - 29 4 5.7 RAD. = 1735587.0	23.5 221.1 390.1
R6415	X = 1504002 Y = -831305 Z = -244220	649 1727 201	LAT. = - 8 5 18.5 LONG. = - 28 55 50.4 RAD. = 1735722.7	25.1 216.4 387.8
R6435	X = 1494865 Y = -828058 Z = -303694	671 1720 88	LAT. = -10 4 37.4 LONG. = - 28 59 .9 RAD. = 1735664.3	9.3 218.0 387.5
R6433	X = 1534912 Y = -752016 Z = -300301	570 1560 85	LAT. = - 9 57 53.2 LONG. = - 26 6 7.7 RAD. = 1735414.4	8.6 196.8 319.5
R6443	X = 1528509 Y = -751252 Z = -332995	585 1559 94	LAT. = -11 3 45.9 LONG. = - 26 10 25.8 RAD. = 1735397.4	8.1 198.0 320.8
R6463	X = 1515709 Y = -748202 Z = -393775	616 1552 217	LAT. = -13 6 49.2 LONG. = - 26 16 20.7 RAD. = 1735580.8	23.4 200.2 323.5
R6235	X = 1567834 Y = -678693 Z = -303668	489 1412 77	LAT. = -10 4 44.0 LONG. = - 23 24 25.5 RAD. = 1735206.6	7.2 177.6 265.5
R6245	X = 1563344 Y = -675949 Z = -331687	499 1406 92	LAT. = -11 1 11.7 LONG. = - 23 22 56.6 RAD. = 1735213.7	8.6 178.0 265.3
R6265	X = 1552977 Y = -670645 Z = -387019	523 1396 197	LAT. = -12 53 12.7 LONG. = - 23 21 24.7 RAD. = 1735305.4	22.2 179.0 265.5
R6233	X = 1600517 Y = -598959 Z = -301704	413 1256 73	LAT. = -10 0 43.9 LONG. = - 20 31 2.2 RAD. = 1735348.1	6.8 157.5 221.5
R6243	X = 1594378 Y = -600725 Z = -329438	426 1260 88	LAT. = -10 56 36.3 LONG. = - 20 38 43.0 RAD. = 1735350.4	8.9 158.8 222.9

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TERRAIN POINTS ON MAP SHEET 76D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R6263	X = 1581237	455	LAT. = -13 0 53.7	23.7
	Y = -598147	1255	LONG. = - 20 43 13.8	160.6
	Z = -390767	202	RAD. = 1735162.0	223.9

○ RANGE
OBSERVATION

▲ ● < 30M
▲ ● < 100M
▼ ● > 100M

▼R5813

▼R5613

▼R5613

▼R5413

MAP SHEET 77A

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TERRAIN POINTS ON MAP SHEET 77A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5813	X = 1695954	201	LAT. = - 7 36 35.7	14.8
	Y = -289723	719	LONG. = - 9 41 39.7	88.0
	Z = -229870	138	RAD. = 1735811.4	149.2
R5615	X = 1710008	182	LAT. = - 7 29 23.3	15.4
	Y = -207131	597	LONG. = - 6 54 23.5	72.6
	Z = -226461	145	RAD. = 1737329.5	162.3
R5613	X = 1720033	142	LAT. = - 7 10 40.8	12.9
	Y = -123260	482	LONG. = - 4 5 56.1	58.3
	Z = -217175	121	RAD. = 1738065.0	133.8
R5415	X = 1723970	126	LAT. = - 6 52 26.9	12.6
	Y = -47613	388	LONG. = - 1 34 55.2	46.6
	Z = -207913	118	RAD. = 1737114.7	130.3

○ RANGE
OBSERVATION

▲ 0 < 30M
△ 0 < 100M
▽ 0 > 100M

▽R5413

▽R5215

▽G7015

▽R5213

▽G7014

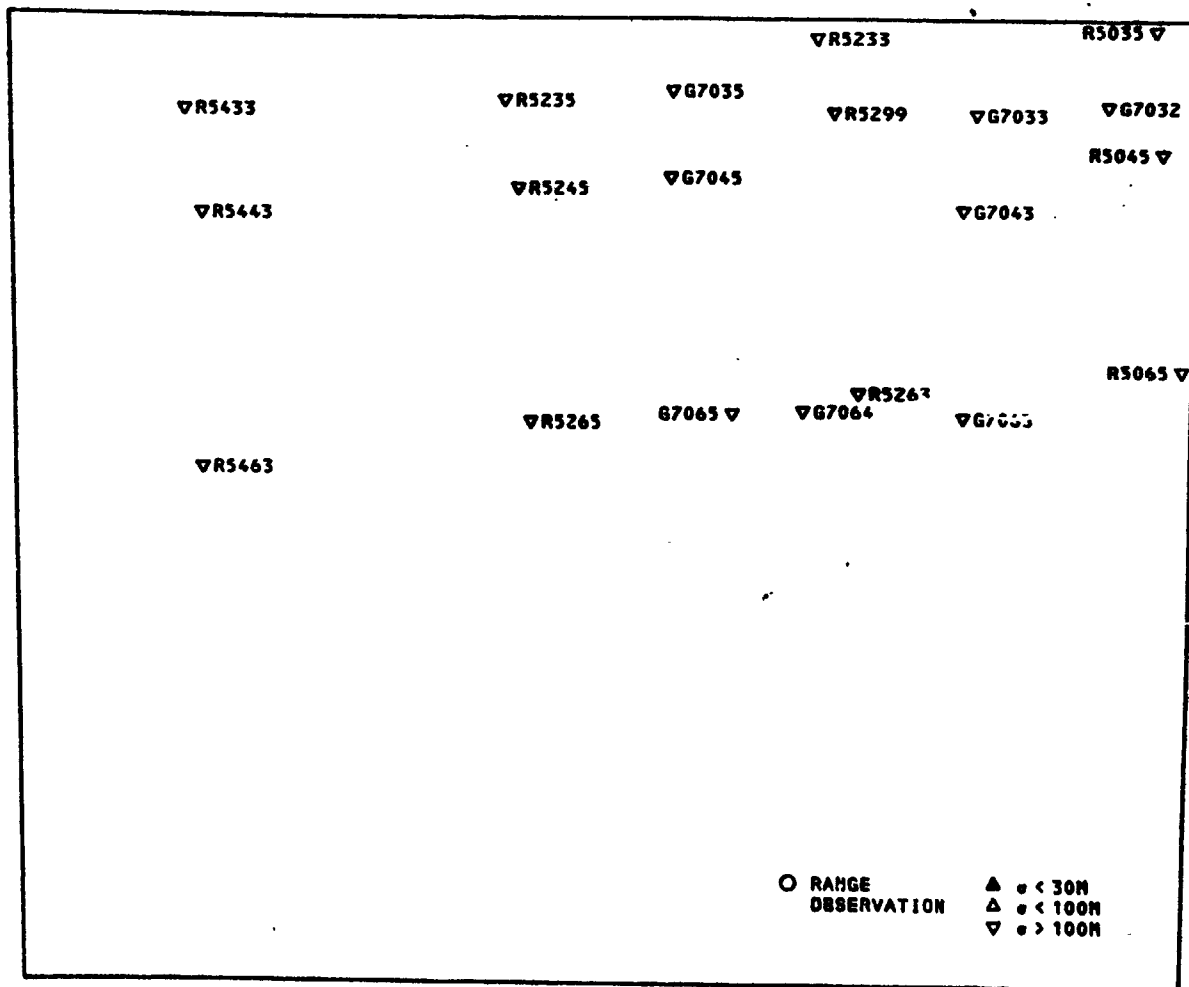
▽G7013

▽R5015

MAP SHEET 77B

TERRAIN POINTS ON MAP SHEET 77B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5413	X = 1726728	110	LAT. = - 6 41 2.2	11.5
	Y = 36570	293	LONG. = 1 12 47.8	34.8
	Z = -202399	108	RAD. = 1738934.5	122.7
R5215	X = 1721951	99	LAT. = - 6 33 29.3	9.9
	Y = 122683	210	LONG. = 4 4 30.8	24.6
	Z = -198464	93	RAD. = 1737686.7	114.1
G7015	X = 1716621	111	LAT. = - 6 46 33.5	9.6
	Y = 168651	172	LONG. = 5 36 39.9	20.0
	Z = -204947	92	RAD. = 1737018.5	126.1
R5213	X = 1715638	88	LAT. = - 6 8 49.7	9.4
	Y = 198713	150	LONG. = 6 36 24.5	17.3
	Z = -186012	87	RAD. = 1737095.7	102.0
G7014	X = 1714189	98	LAT. = - 6 52 27.9	7.9
	Y = 201787	151	LONG. = 6 42 49.4	17.4
	Z = -208090	76	RAD. = 1738522.9	112.4
G7013	X = 1708592	100	LAT. = - 6 55 19.8	7.5
	Y = 243134	122	LONG. = 8 5 55.9	14.0
	Z = -209522	73	RAD. = 1738476.4	111.5
R5015	X = 1705092	74	LAT. = - 5 54 35.0	7.7
	Y = 282885	102	LONG. = 9 25 11.7	11.8
	Z = -178909	70	RAD. = 1737634.2	83.7



MAP SHEET 77C

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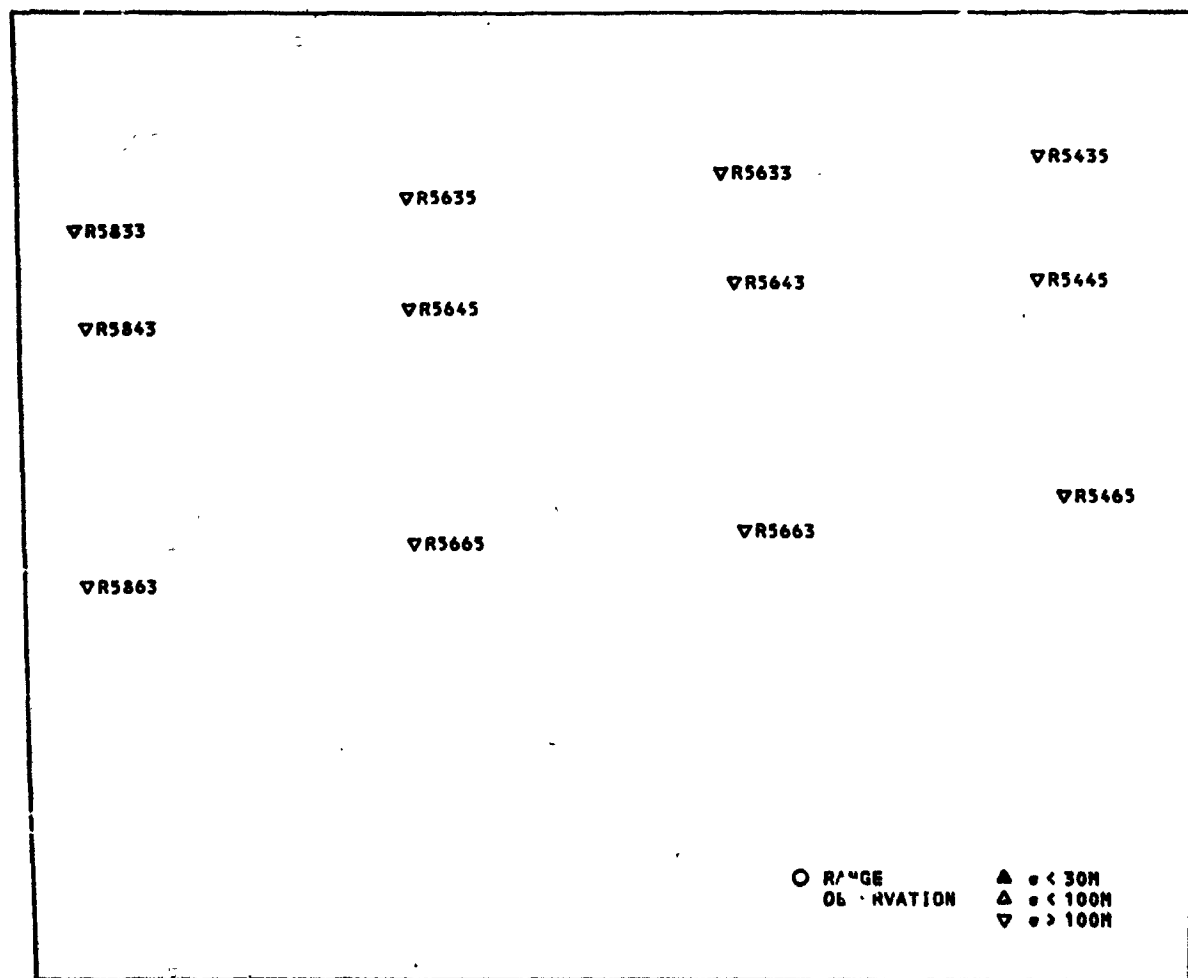
TERRAIN POINTS ON MAP SHEET 77C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5433	X = 1718061	118	LAT. = - 8 46 5.0	4.9
	Y = 43979	285	LONG. = 1 27 58.8	34.0
	Z = -265076	47	RAD. = 1738945.9	124.5
R5443	X = 1715215	121	LAT. = - 9 37 36.9	6.0
	Y = 48071	281	LONG. = 1 36 19.3	33.5
	Z = -291050	44	RAD. = 1740397.9	123.1
R5463	X = 1701230	136	LAT. = -11 44 22.1	14.5
	Y = 47589	281	LONG. = 1 36 8.4	33.8
	Z = -353669	101	RAD. = 1738254.8	123.5
R5235	X = 1715296	104	LAT. = - 8 40 52.0	4.6
	Y = 125585	207	LONG. = 4 11 14.8	24.3
	Z = -262600	43	RAD. = 1739819.0	113.4
R5245	X = 1709341	109	LAT. = - 9 24 32.1	5.4
	Y = 128600	205	LONG. = 4 18 8.8	24.1
	Z = -284053	41	RAD. = 1737547.7	115.6
R5265	X = 1696859	120	LAT. = -11 20 38.3	11.7
	Y = 130913	203	LONG. = 4 24 41.9	23.9
	Z = -341432	81	RAD. = 1735812.7	116.0
G7035	X = 1712536	113	LAT. = - 8 35 47.0	4.8
	Y = 168198	172	LONG. = 5 36 33.7	20.0
	Z = -260132	46	RAD. = 1740327.2	122.6
G7045	X = 1708932	117	LAT. = - 9 18 54.1	5.5
	Y = 167449	173	LONG. = 5 35 46.5	20.1
	Z = -281651	42	RAD. = 1740061.8	122.8
R5233	X = 1710543	90	LAT. = - 8 9 15.6	4.6
	Y = 204746	146	LONG. = 6 49 32.3	16.8
	Z = -246851	44	RAD. = 1740348.7	100.6
R5299	X = 1706760	93	LAT. = - 8 46 26.3	4.4
	Y = 208663	143	LONG. = 6 58 12.8	16.5
	Z = -265388	38	RAD. = 1739827.6	101.1
G7064	X = 1693301	132	LAT. = -11 14 44.7	11.8
	Y = 199710	149	LONG. = 6 43 35.3	17.4
	Z = -339022	80	RAD. = 1738414.9	124.5
G7065	X = 1695557	130	LAT. = -11 16 9.2	11.9
	Y = 181952	162	LONG. = 6 7 30.2	18.8
	Z = -339799	81	RAD. = 1738816.3	123.4

TERRAIN POINTS ON MAP SHEET 77C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5263	X = 1692520 Y = 213635 Z = -334433	103 140 67	LAT. = -11 5 29.6 LONG. = 7 11 38.4 RAD. = 1738421.8	9.6 16.1 101.2
G7033	X = 1700117 Y = 243752 Z = -265296	106 122 41	LAT. = -8 46 51.1 LONG. = 8 9 32.8 RAD. = 1737871.1	4.7 14.0 112.5
G7043	X = 1696956 Y = 240134 Z = -289162	109 124 42	LAT. = -9 34 36.2 LONG. = 8 3 15.7 RAD. = 1738084.8	5.9 14.2 112.1
G7063	X = 1688209 Y = 239433 Z = -340412	116 125 75	LAT. = -11 17 25.0 LONG. = 8 4 20.0 RAD. = 1738751.5	10.9 14.3 110.5
R5035	X = 1696697 Y = 288505 Z = -244321	78 100 40	LAT. = -8 4 47.1 LONG. = 9 39 .8 RAD. = 1738306.0	4.3 11.5 84.2
G7032	X = 1695424 Y = 276515 Z = -263097	109 105 41	LAT. = -8 42 27.3 LONG. = 9 15 47.1 RAD. = 1737856.2	4.7 12.2 112.6
R5045	X = 1691405 Y = 289856 Z = -274709	80 99 36	LAT. = -9 5 41.2 LONG. = 9 43 27.6 RAD. = 1737910.6	4.5 11.5 84.5
R5065	X = 1681113 Y = 293848 Z = -328224	86 98 53	LAT. = -10 53 11.6 LONG. = 9 54 53.2 RAD. = 1737877.3	7.5 11.3 84.1

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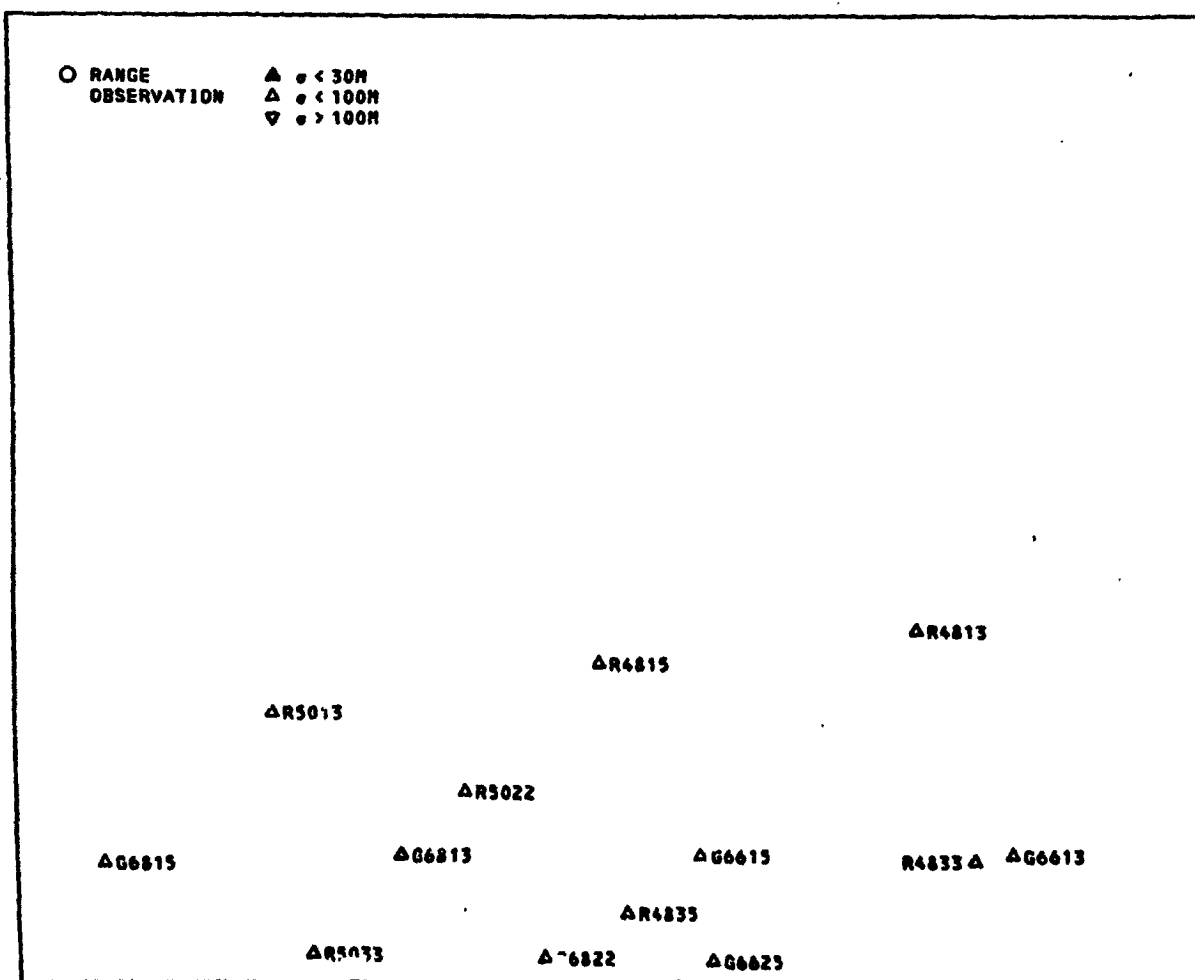


MAP SHEET 77D

TERRAIN POINTS ON MAP SHEET 770

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R5833	X = 1686863 Y = -282971 Z = -295422	217 709 59	LAT. = - 9 47 57.6 LONG. = - 9 31 21.7 RAD. = 1735757.7	6.4 87.5 151.4
R5843	X = 1682990 Y = -279866 Z = -319474	223 704 72	LAT. = -10 36 21.7 LONG. = - 9 26 29.0 RAD. = 1735755.0	9.5 87.3 151.4
R5863	X = 1669718 Y = -278732 Z = -382730	246 702 169	LAT. = -12 44 23.3 LONG. = - 9 28 38.0 RAD. = 1735549.3	22.7 88.2 149.1
R5635	X = 1701330 Y = -200163 Z = -287353	181 587 55	LAT. = - 9 31 20.2 LONG. = - 6 42 36.2 RAD. = 1736997.8	5.9 71.9 142.4
R5645	X = 1695456 Y = -199042 Z = -314620	190 585 65	LAT. = -10 26 33.0 LONG. = - 6 41 44.6 RAD. = 1735849.5	8.9 72.1 143.7
R5665	X = 1683926 Y = -196902 Z = -372264	208 582 145	LAT. = -12 23 2.8 LONG. = - 6 40 9.6 RAD. = 1735787.1	19.9 72.5 141.6
R5633	X = 1709666 Y = -120540 Z = -281291	156 479 51	LAT. = - 9 19 13.6 LONG. = - 4 1 58.7 RAD. = 1736839.8	5.6 58.3 137.1
R5643	X = 1705394 Y = -117062 Z = -308428	162 474 58	LAT. = -10 13 40.2 LONG. = - 3 55 36.3 RAD. = 1737009.2	8.2 58.0 137.0
R5663	X = 1692098 Y = -113551 Z = -369134	180 470 134	LAT. = -12 16 46.5 LONG. = - 3 50 21.0 RAD. = 1735612.0	18.8 58.0 136.5
R5435	X = 1713973 Y = -40647 Z = -277039	137 379 47	LAT. = - 9 10 44.8 LONG. = - 1 21 30.7 RAD. = 1736693.9	5.3 45.9 133.0
R5445	X = 1708741 Y = -40612 Z = -307600	144 379 56	LAT. = -10 12 7.2 LONG. = - 1 21 41.5 RAD. = 1736681.3	8.1 46.0 132.7
R5465	X = 1699989 Y = -33198 Z = -361014	154 371 117	LAT. = -11 59 13.8 LONG. = - 1 7 7.5 RAD. = 1738216.2	16.5 45.2 129.4

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MAP SHEET 78A

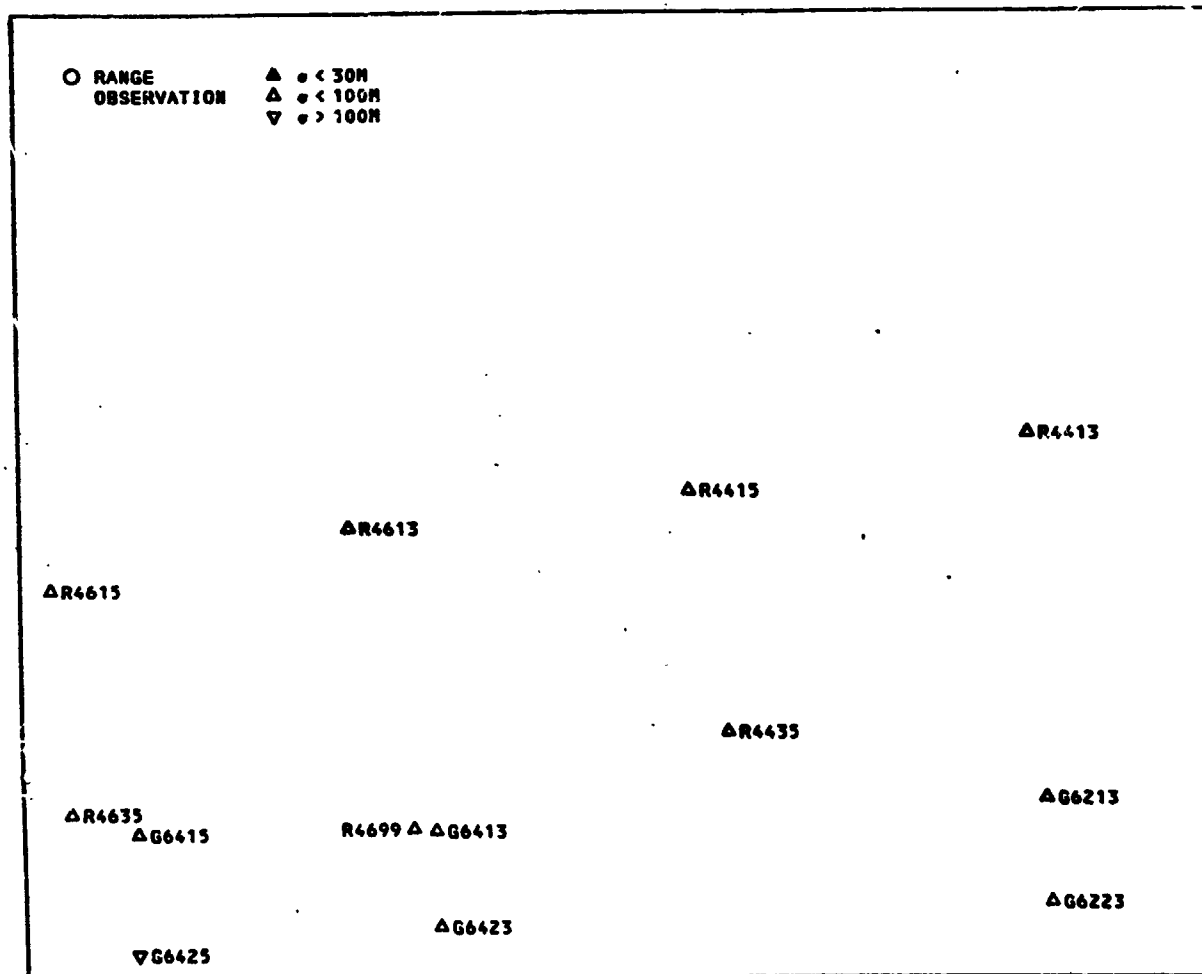
TERRAIN POINTS ON MAP SHEET 78A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6815	X = 1694518	72	LAT. = - 6 59 45.9	5.5
	Y = 321109	89	LONG. = 10 43 48.9	10.3
	Z = -211643	52	RAD. = 1737612.2	79.3
R5013	X = 1690286	65	LAT. = - 5 45 32.1	5.9
	Y = 363696	79	LONG. = 12 8 35.2	9.3
	Z = -174370	54	RAD. = 1737741.6	68.2
R5033	X = 1681598	65	LAT. = - 7 45 36.3	4.1
	Y = 371753	76	LONG. = 12 27 57.4	9.0
	Z = -234690	37	RAD. = 1738117.6	67.5
R5022	X = 1677821	72	LAT. = - 6 25 3.4	5.7
	Y = 410931	71	LONG. = 13 45 43.0	8.6
	Z = -194298	53	RAD. = 1738303.0	75.1
G6813	X = 1679274	64	LAT. = - 6 56 23.1	5.1
	Y = 394540	74	LONG. = 13 13 18.0	8.7
	Z = -209962	47	RAD. = 1737730.6	67.9
R4815	X = 1672467	59	LAT. = - 5 21 25.0	5.2
	Y = 445069	70	LONG. = 14 54 6.9	8.4
	Z = -162319	46	RAD. = 1738270.8	60.6
G6822	X = 1667869	64	LAT. = - 7 47 35.7	4.0
	Y = 429323	69	LONG. = 14 26 6.1	8.4
	Z = -235711	36	RAD. = 1738293.3	64.4
G6615	X = 1659910	56	LAT. = - 6 56 44.6	4.0
	Y = 468157	67	LONG. = 15 45 1.6	8.1
	Z = -210104	36	RAD. = 1737416.4	56.0
R4835	X = 1663138	59	LAT. = - 7 25 15.3	3.9
	Y = 449896	68	LONG. = 15 8 12.5	8.3
	Z = -224407	35	RAD. = 1737467.4	58.0
G6625	X = 1655695	56	LAT. = - 7 49 10.1	3.7
	Y = 470210	67	LONG. = 15 51 15.5	8.1
	Z = -236367	33	RAD. = 1737323.9	56.0
R4813	X = 1649566	59	LAT. = - 5 5 10.4	5.0
	Y = 522342	67	LONG. = 17 34 14.2	8.0
	Z = -154005	45	RAD. = 1737132.0	59.8
G6613	X = 1637139	54	LAT. = - 6 56 28.7	3.8
	Y = 543816	64	LONG. = 18 22 30.6	7.7
	Z = -210021	34	RAD. = 1737834.8	54.2

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TERRAIN POINTS ON MAP SHEET 78A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4833	X = 1639865 Y = 534815 Z = -211569	60 66 35	LAT. = - 6 59 34.2 LONG. = 18 3 46.4 RAD. = 1737798.9	4.0 8.0 19.8



MAP SHEET 78B

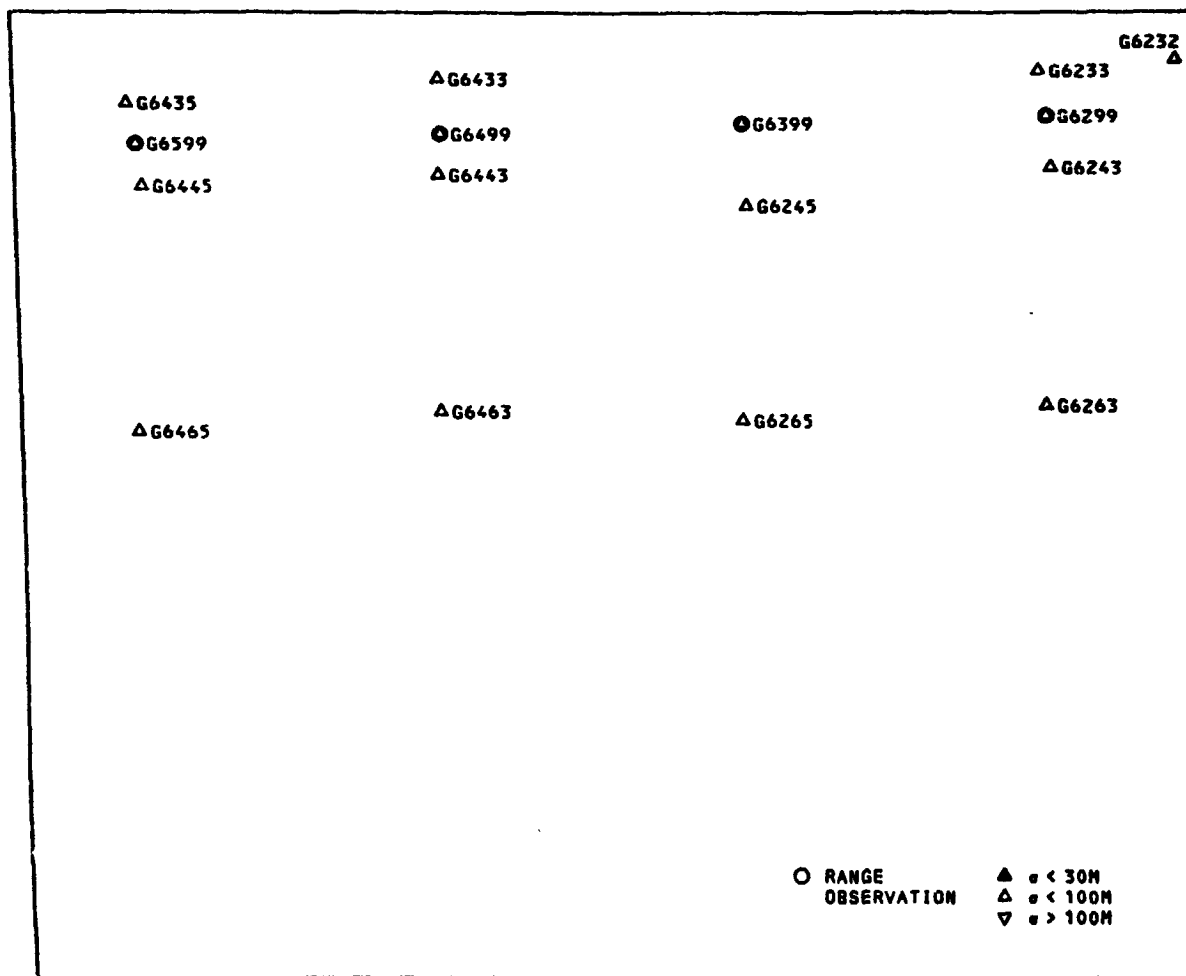
TERRAIN POINTS ON MAP SHEET 78B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4615	X = 1623578 Y = 599119 Z = -144739	57 64 45	LAT. = - 4 46 51.1 LONG. = 20 15 16.7 RAD. = 1736634.7	5.0 7.6 59.3
R4635	X = 1618148 Y = 601876 Z = -200938	64 63 40	LAT. = - 6 38 19.1 LONG. = 20 24 10.3 RAD. = 1738112.1	4.4 7.6 65.0
G6415	X = 1610642 Y = 617011 Z = -206110	54 61 37	LAT. = - 6 48 52.2 LONG. = 20 57 39.7 RAD. = 1737052.8	4.1 7.3 55.2
G6425	X = 1607934 Y = 615569 Z = -236085	127 74 48	LAT. = - 7 48 27.9 LONG. = 20 56 54.4 RAD. = 1737847.4	4.8 12.1 110.2
R4613	X = 1595674 Y = 669856 Z = -129224	55 61 45	LAT. = - 4 16 13.5 LONG. = 22 46 20.8 RAD. = 1735390.8	5.1 7.1 58.5
R4699	X = 1582874 Y = 681406 Z = -204577	89 59 38	LAT. = - 6 46 12.0 LONG. = 23 17 28.4 RAD. = 1735 12.0	4.2 7.7 86.1
G6413	X = 1580499 Y = 686570 Z = -204984	48 56 30	LAT. = - 6 47 1.8 LONG. = 23 28 48.7 RAD. = 1735330.9	3.4 6.6 49.2
G6423	X = 1577349 Y = 686129 Z = -228857	65 75 49	LAT. = - 7 34 42.8 LONG. = 23 30 30.6 RAD. = 1735275.1	5.1 7.6 79.9
R4415	X = 1560260 Y = 749009 Z = -119953	52 57 42	LAT. = - 3 57 53.0 LONG. = 25 38 36.7 RAD. = 1734881.7	4.7 6.5 55.0
R4435	X = 1551306 Y = 755195 Z = -180352	65 76 34	LAT. = - 5 58 2.9 LONG. = 25 57 26.7 RAD. = 1734761.5	3.9 7.4 79.2
R4413	X = 1522107 Y = 825703 Z = -105795	49 52 41	LAT. = - 3 29 46.2 LONG. = 28 28 43.2 RAD. = 1734873.4	4.6 6.0 51.3
G6213	X = 1513031 Y = 825674 Z = -196956	44 47 28	LAT. = - 6 31 7.3 LONG. = 28 37 18.1 RAD. = 1734875.8	3.2 5.7 44.1

TERRAIN POINTS ON MAP SHEET 78B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6223	X = 1509654	40	LAT. = - 7 22 52.1	2.8
	Y = 825212	47	LONG. = 28 39 43.4	5.6
	Z = -222875	24	RAD. = 1734850.2	40.1

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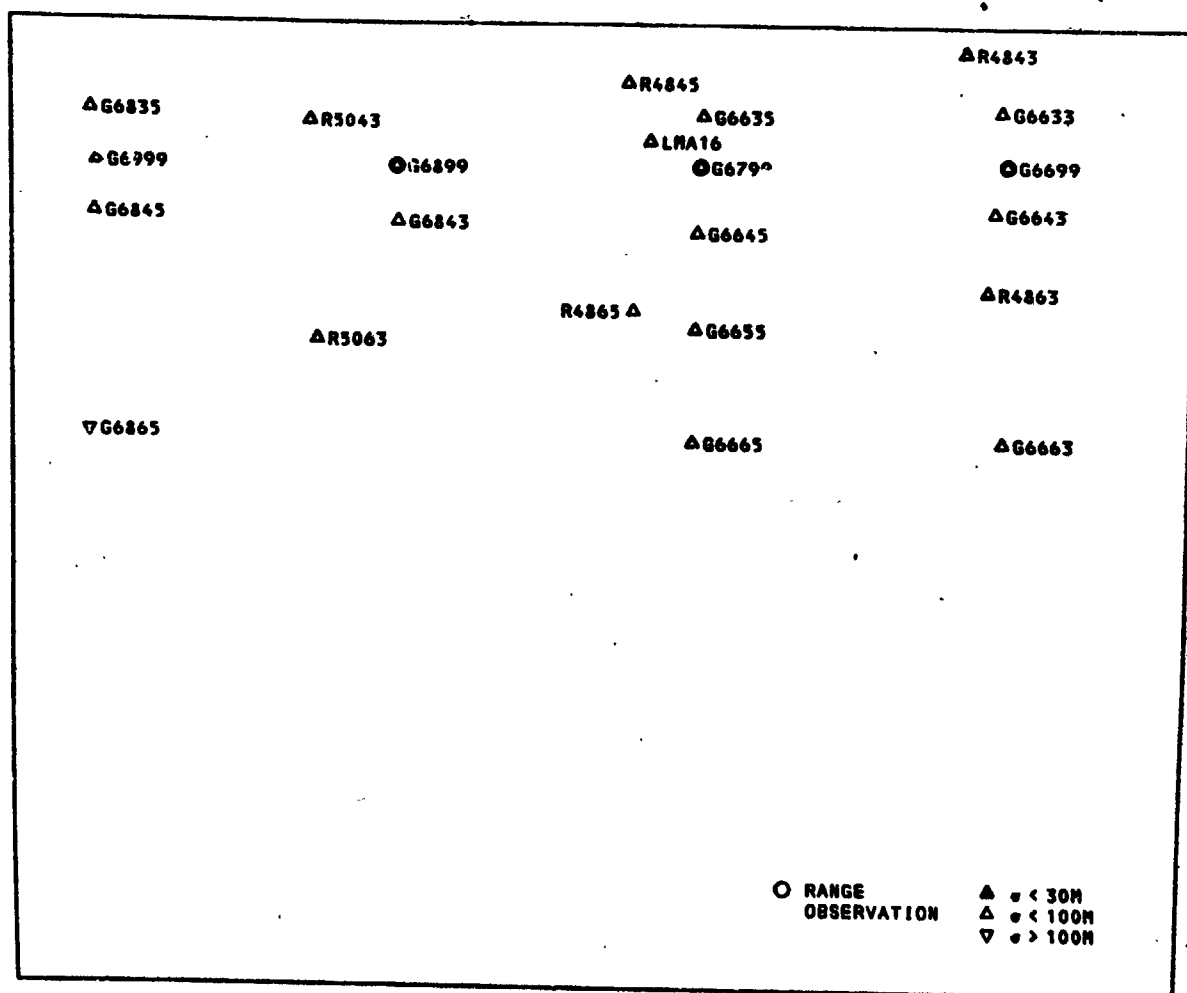
MAP SHEET 78C

TERRAIN POINTS ON MAP SHEET 78C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6435	X = 1604798	51	LAT. = - 8 44 49.4	3.4
	Y = 614457	60	LONG. = 20 57 4.4	7.2
	Z = -264398	29	RAD. = 1738631.7	50.6
G6465	X = 1589396	58	LAT. = -11 27 9.8	4.9
	Y = 609801	63	LONG. = 20 59 24.9	7.5
	Z = -344887	37	RAD. = 1736946.5	56.7
G6599	X = 1603217	49	LAT. = - 9 4 52.8	3.7
	Y = 616146	59	LONG. = 21 1 21.6	7.4
	Z = -274531	32	RAD. = 1739341.5	46.0
G6445	X = 1600832	56	LAT. = - 9 25 51.8	3.8
	Y = 616599	62	LONG. = 21 3 55.4	7.4
	Z = -284951	32	RAD. = 1738981.2	56.2
G6433	X = 1572834	49	LAT. = - 8 32 40.6	3.3
	Y = 686173	56	LONG. = 23 34 12.0	6.6
	Z = -257823	28	RAD. = 1735256.1	49.3
G6499	X = 1570550	47	LAT. = - 8 59 59.1	3.7
	Y = 685610	53	LONG. = 23 34 59.7	6.6
	Z = -271412	31	RAD. = 1735036.4	44.5
G6443	X = 1569369	53	LAT. = - 9 20 17.9	3.8
	Y = 684433	57	LONG. = 23 33 46.8	6.7
	Z = -281547	30	RAD. = 1735118.6	54.1
G6463	X = 1561679	57	LAT. = -11 17 55.6	4.9
	Y = 681214	59	LONG. = 23 34 1.7	6.8
	Z = -340413	36	RAD. = 1737462.3	56.1
G6399	X = 1538803	42	LAT. = - 8 55 7.7	3.3
	Y = 755226	49	LONG. = 26 8 28.6	6.1
	Z = -269003	28	RAD. = 1735120.4	38.7
G6245	X = 1536278	52	LAT. = - 9 36 6.0	3.6
	Y = 755259	54	LONG. = 26 10 46.1	6.3
	Z = -289596	30	RAD. = 1736212.1	53.0
G6265	X = 1526142	55	LAT. = -11 22 48.8	4.8
	Y = 749191	55	LONG. = 26 8 48.0	6.3
	Z = -342193	36	RAD. = 1734212.6	53.6
G6233	X = 1505723	42	LAT. = - 8 28 56.2	3.1
	Y = 822696	47	LONG. = 28 39 4.6	5.7
	Z = -255888	25	RAD. = 1734793.6	41.3

TERRAIN POINTS ON MAP SHEET 78C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6299	X = 1503323 Y = 823539 Z = -267197	40 45 25	LAT. = - 8 51 35.9 LONG. = 28 42 52.1 RAD. = 1734817.5	3.0 5.7 36.4
G6243	X = 1501082 Y = 823646 Z = -279982	44 50 27	LAT. = - 9 17 12.8 LONG. = 28 45 13.1 RAD. = 1734943.9	3.4 5.8 44.4
G6263	X = 1492327 Y = 817960 Z = -338648	51 51 35	LAT. = -11 15 16.4 LONG. = 28 43 39.3 RAD. = 1735160.3	4.7 5.9 50.3
G6232	X = 1489608 Y = 852877 Z = -253266	44 48 26	LAT. = - 8 23 36.1 LONG. = 29 47 36.1 RAD. = 1735071.4	3.3 5.6 45.6



MAP SHEET 78D

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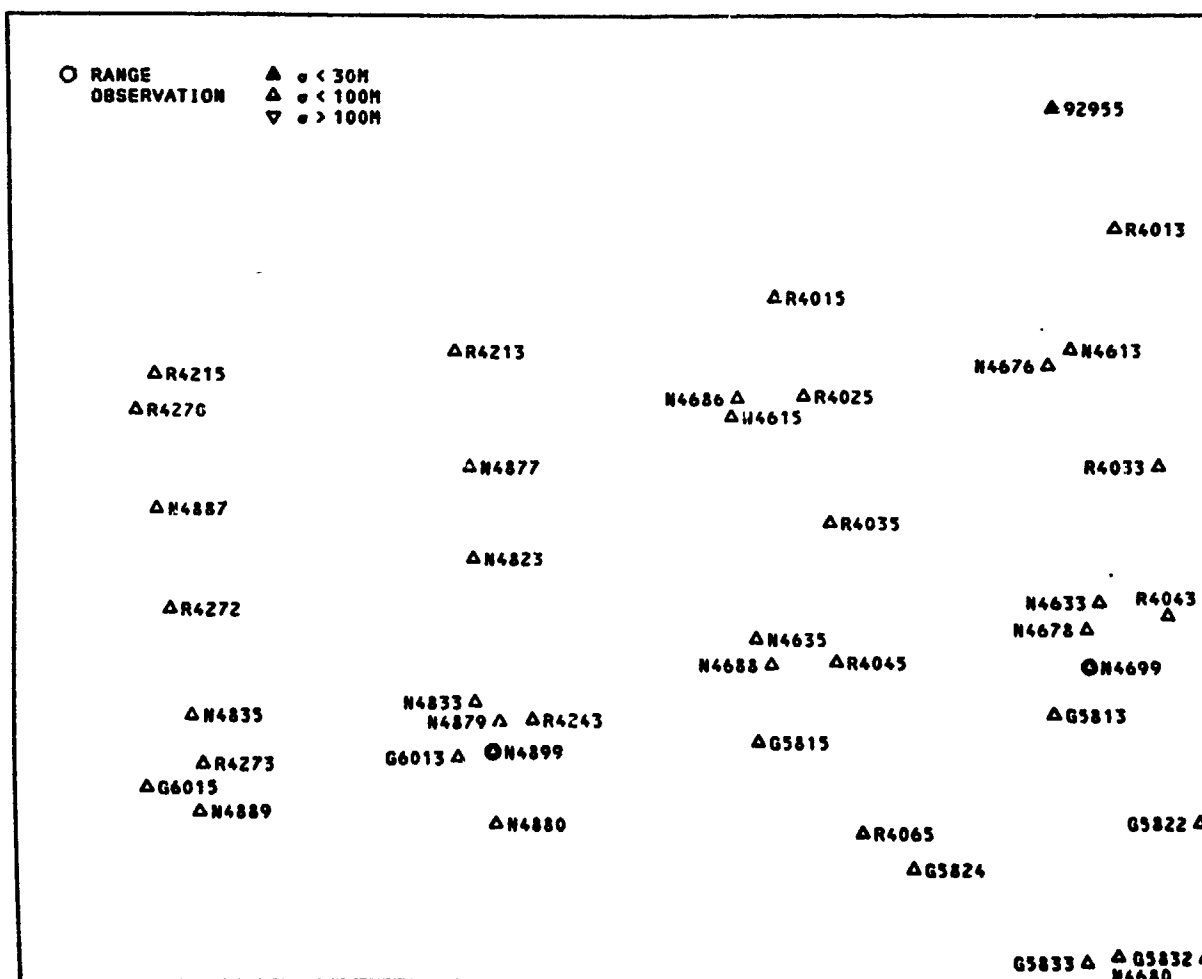
TERRAIN POINTS ON MAP SHEET 78D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6835	X = 1687811 Y = 318046 Z = -264140	74 90 36	LAT. = - 8 44 35.2 LONG. = 10 40 17.5 RAD. = 1737708.3	4.1 10.4 79.4
G6999	X = 1685659 Y = 319154 Z = -277098	75 90 35	LAT. = - 9 10 29.9 LONG. = 10 43 16.3 RAD. = 1737840.0	4.2 10.3 79.4
G6845	X = 1683984 Y = 318319 Z = -289741	95 91 41	LAT. = - 9 35 45.0 LONG. = 10 42 15.0 RAD. = 1738124.7	5.6 10.4 95.8
G6865	X = 1673894 Y = 314999 Z = -343724	83 92 53	LAT. = -11 24 33.0 LONG. = 10 39 26.8 RAD. = 1737611.1	7.4 10.6 81.1
R5043	X = 1676712 Y = 372677 Z = -266419	68 77 35	LAT. = - 8 49 .5 LONG. = 12 31 52.4 RAD. = 1738168.2	4.2 9.1 68.4
R5063	X = 1666900 Y = 372573 Z = -320744	71 77 43	LAT. = -10 38 7.8 LONG. = 12 35 57.2 RAD. = 1737884.7	5.7 9.2 68.3
G6899	X = 1669446 Y = 393953 Z = -277523	53 68 33	LAT. = - 9 11 25.4 LONG. = 13 16 39.5 RAD. = 1737603.9	3.8 8.5 51.1
G6843	X = 1667239 Y = 393898 Z = -291326	69 77 37	LAT. = - 9 39 3.8 LONG. = 13 17 34.2 RAD. = 1737731.9	4.6 9.1 70.3
R4845	X = 1658145 Y = 451685 Z = -256346	58 67 32	LAT. = - 8 29 1.8 LONG. = 15 14 16.3 RAD. = 1737578.3	3.7 8.2 57.2
G6635	X = 1652070 Y = 469845 Z = -264531	56 67 31	LAT. = - 8 45 20.0 LONG. = 15 52 32.3 RAD. = 1737834.1	3.7 8.1 55.9
LMA16	X = 1654345 Y = 456579 Z = -270795	55 66 30	LAT. = - 8 58 .0 LONG. = 15 25 43.8 RAD. = 1737426.7	3.5 8.1 54.1
G6799	X = 1650248 Y = 468691 Z = -277182	52 65 31	LAT. = - 9 10 41.4 LONG. = 15 51 18.8 RAD. = 1737762.5	3.7 8.1 49.4

TERRAIN POINTS ON MAP SHEET 78D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6645	X = 1647826 Y = 467337 Z = -293573	59 68 33	LAT. = - 9 43 33.1 LONG. = 15 50 1.5 RAD. = 1737791.8	4.0 8.2 58.7
R4865	X = 1648554 Y = 450931 Z = -312966	60 68 34	LAT. = -10 22 36.5 LONG. = 15 17 52.8 RAD. = 1737531.5	4.3 8.3 57.4
G6655	X = 1643789 Y = 465930 Z = -317445	57 67 33	LAT. = -10 31 31.6 LONG. = 15 49 31.1 RAD. = 1737786.9	4.2 8.2 55.9
G6665	X = 1637931 Y = 463828 Z = -345191	61 68 38	LAT. = -11 27 45.8 LONG. = 15 48 39.7 RAD. = 1736983.9	4.9 8.3 58.9
R4843	X = 1636937 Y = 534077 Z = -248470	60 66 33	LAT. = - 8 12 40.7 LONG. = 18 4 11.1 RAD. = 1739694.7	4.0 8.0 59.0
G6633	X = 1632040 Y = 542434 Z = -263105	56 64 32	LAT. = - 8 41 52.4 LONG. = 18 23 6.1 RAD. = 1739831.6	3.7 7.7 55.8
G6699	X = 1628625 Y = 543032 Z = -276241	50 62 30	LAT. = - 9 8 27.5 LONG. = 18 26 23.7 RAD. = 1738853.8	3.6 7.7 47.5
G6643	X = 1627783 Y = 539606 Z = -288079	53 63 30	LAT. = - 9 32 9.3 LONG. = 18 20 24.8 RAD. = 1738919.6	3.7 7.7 52.2
R4863	X = 1626306 Y = 537507 Z = -307904	62 65 39	LAT. = -10 11 27.0 LONG. = 18 17 20.9 RAD. = 1740284.2	5.0 8.0 58.7
G6663	X = 1615844 Y = 538708 Z = -344672	60 65 37	LAT. = -11 26 23.2 LONG. = 18 26 16.5 RAD. = 1737802.3	4.8 7.9 57.5

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MAP SHEET 79A



TERRAIN POINTS ON MAP SHEET 79A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4215	X = 1482617	47	LAT. = - 2 57 48.4	4.6
	Y = 897313	49	LONG. = 31 10 59.8	5.6
	Z = -89715	40	RAD. = 1735330.6	50.2
R4270	X = 1484693	47	LAT. = - 3 15 32.4	4.4
	Y = 892910	50	LONG. = 31 1 23.4	5.6
	Z = -98652	38	RAD. = 1735319.2	50.2
N4887	X = 1481487	56	LAT. = - 4 4 39.2	6.3
	Y = 896843	76	LONG. = 31 11 21.6	6.8
	Z = -123455	57	RAD. = 1736194.9	78.7
R4272	X = 1477888	48	LAT. = - 4 54 27.9	3.3
	Y = 898531	48	LONG. = 31 17 56.0	5.6
	Z = -148514	29	RAD. = 1735962.6	49.9
N4835	X = 1472317	39	LAT. = - 5 47 6.1	2.9
	Y = 901485	46	LONG. = 31 28 43.4	5.3
	Z = -174903	25	RAD. = 1735219.2	41.9
R4273	X = 1469679	49	LAT. = - 6 11 18.0	3.3
	Y = 903061	48	LONG. = 31 34 8.8	5.5
	Z = -187035	27	RAD. = 1735067.6	50.2
G6015	X = 1476417	40	LAT. = - 6 22 52.5	3.0
	Y = 890475	45	LONG. = 31 5 43.9	5.3
	Z = -192825	26	RAD. = 1734916.4	40.5
N4889	X = 1469249	62	LAT. = - 6 34 55.1	3.7
	Y = 901637	74	LONG. = 31 32 10.5	6.4
	Z = -198906	30	RAD. = 1735282.4	79.8
R4213	X = 1442225	43	LAT. = - 2 46 49.8	4.2
	Y = 961677	47	LONG. = 33 41 43.4	5.2
	Z = -84188	37	RAD. = 1735489.0	46.9
N4877	X = 1439208	45	LAT. = - 3 44 15.1	4.3
	Y = 964012	46	LONG. = 33 48 54.0	5.2
	Z = -113158	38	RAD. = 1735926.9	48.8
N4823	X = 1437784	38	LAT. = - 4 29 45.3	2.8
	Y = 964108	42	LONG. = 33 50 38.0	4.9
	Z = -136117	24	RAD. = 1736449.2	39.1
N4833	X = 1434314	44	LAT. = - 5 41 20.8	2.9
	Y = 962093	42	LONG. = 33 51 8.9	5.0
	Z = -172056	25	RAD. = 1735650.6	44.5

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6013	X = 1435153 Y = 957231 Z = -185771	44 43 25	LAT. = - 6 8 46.8 LONG. = 33 42 10.2 RAD. = 1735069.4	2.9 5.1 44.7
R4243	X = 1425671 Y = 973837 Z = -176460	46 44 25	LAT. = - 5 50 8.4 LONG. = 34 20 9.4 RAD. = 1735521.5	2.9 5.0 48.3
N4879	X = 1430519 Y = 967035 Z = -176918	46 46 27	LAT. = - 5 51 .2 LONG. = 34 3 31.7 RAD. = 1735753.7	3.1 5.1 48.9
N4899	X = 1430427 Y = 964851 Z = -184325	37 38 25	LAT. = - 6 5 51.9 LONG. = 34 0 1.6 RAD. = 1735233.2	2.9 5.1 31.6
N4880	X = 1429650 Y = 965160 Z = -202469	46 46 26	LAT. = - 6 41 40.5 LONG. = 34 1 24.2 RAD. = 1736786.8	3.2 5.1 48.3
R4015	X = 1396222 Y = 1028602 Z = -70747	39 45 36	LAT. = - 2 20 9.9 LONG. = 36 22 45.2 RAD. = 1735644.7	4.2 4.8 45.0
R4025	X = 1391449 Y = 1034072 Z = -95511	35 39 27	LAT. = - 3 9 12.3 LONG. = 36 37 6.0 RAD. = 1736248.7	3.1 4.3 38.3
N4686	X = 1400598 Y = 1020135 Z = -96037	74 50 66	LAT. = - 3 10 20.6 LONG. = 36 4 4.7 RAD. = 1735388.2	7.5 5.4 79.9
N4615	X = 1401296 Y = 1018737 Z = -100637	39 46 34	LAT. = - 3 19 28.2 LONG. = 36 1 1.3 RAD. = 1735391.8	3.9 4.6 47.3
R4035	X = 1385548 Y = 1037886 Z = -127167	36 41 24	LAT. = - 4 12 4.5 LONG. = 36 50 10.1 RAD. = 1735834.8	2.7 4.3 41.4
N4635	X = 1394774 Y = 1021584 Z = -156237	40 41 25	LAT. = - 5 9 49.4 LONG. = 36 13 13.5 RAD. = 1735925.2	2.8 4.5 44.0
R4045	X = 1382314 Y = 1037480 Z = -162038	35 38 21	LAT. = - 5 21 21.7 LONG. = 36 53 22.7 RAD. = 1735918.3	2.5 4.2 38.3

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4688	X = 1392005 Y = 1024274 Z = -162679	77 48 34	LAT. = 5 22 38.7 LONG. = 36 20 47.9 RAD. = 1735880.0	3.7 5.6 79.4
G5815	X = 1392353 Y = 1020412 Z = -181987	34 39 22	LAT. = - 6 1 5.3 LONG. = 36 14 11.6 RAD. = 1735801.3	2.6 4.4 36.5
R4065	X = 1374541 Y = 1040018 Z = -204590	37 38 24	LAT. = - 6 46 8.6 LONG. = 37 6 44.0 RAD. = 1735758.5	3.0 4.3 38.4
G5824	X = 1366062 Y = 1049648 Z = -213584	36 41 24	LAT. = - 7 4 2.5 LONG. = 37 32 16.0 RAD. = 1735944.6	3.0 4.2 40.3
92955	X = 1355694 Y = 1085531 Z = -23343	21 23 18	LAT. = - 0 46 12.1 LONG. = 38 41 5.8 RAD. = 1736902.1	2.1 2.5 23.3
N4613	X = 1350100 Y = 1086612 Z = -83790	36 38 31	LAT. = - 2 46 4.7 LONG. = 38 49 42.4 RAD. = 1735083.8	3.5 3.9 41.3
N4676	X = 1353376 Y = 1082283 Z = -87680	40 45 40	LAT. = - 2 53 47.5 LONG. = 38 38 56.4 RAD. = 1735123.1	4.6 4.7 46.4
N4678	X = 1343649 Y = 1087005 Z = -153651	41 43 29	LAT. = - 5 4 49.6 LONG. = 38 58 21.6 RAD. = 1735102.9	3.4 4.6 46.2
N4699	X = 1343013 Y = 1087324 Z = -162954	31 30 21	LAT. = - 5 23 14.0 LONG. = 38 59 39.0 RAD. = 1735658.5	2.5 3.9 28.0
G5813	X = 1347663 Y = 1079752 Z = -174986	30 34 20	LAT. = - 5 47 10.1 LONG. = 38 42 6.6 RAD. = 1735707.0	2.3 3.8 32.0
G5833	X = 1336681 Y = 1081653 Z = -236487	32 36 23	LAT. = - 7 49 51.2 LONG. = 38 58 48.3 RAD. = 1735688.4	2.8 3.9 34.5
R4013	X = 1345364 Y = 1096986 Z = -53478	36 41 36	LAT. = - 1 45 52.3 LONG. = 39 11 35.5 RAD. = 1736733.0	4.2 4.2 42.7

TERRAIN POINTS ON MAP SHEET 79A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4033	X = 1335326 Y = 1103179 Z = -112920	33 38 23	LAT. = - 3 43 48.1 LONG. = 39 33 42.6 RAD. = 1735756.3	2.6 3.8 39.4
N4633	X = 1342760 Y = 1090380 Z = -146898	37 36 22	LAT. = - 4 51 15.2 LONG. = 39 4 41.2 RAD. = 1735947.6	2.5 3.9 40.6
R4043	X = 1331574 Y = 1103181 Z = -150145	34 38 21	LAT. = - 4 57 45.1 LONG. = 39 38 27.8 RAD. = 1735696.1	2.5 3.8 39.4
G5822	X = 1322475 Y = 1106654 Z = -201864	35 37 25	LAT. = - 6 40 36.4 LONG. = 39 55 22.0 RAD. = 1736194.7	3.2 3.7 39.2
N4680	X = 1332059 Y = 1087742 Z = -234998	43 43 35	LAT. = - 7 46 51.8 LONG. = 39 14 4.7 RAD. = 1735738.6	4.5 4.6 45.6
G5832	X = 1318374 Y = 1105140 Z = -235284	39 47 28	LAT. = - 7 47 16.6 LONG. = 39 58 18.3 RAD. = 1736318.1	3.7 4.1 48.4

**○ RANGE
OBSERVATION**

▲ ● < 30M
△ ● < 100M
▽ ● > 100M

MAP SHEET 79B

TERRAIN POINTS ON MAP SHEET 79B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92920	X = 1322431	20	LAT. = - 0 48 30.9	1.8
	Y = 1124652	22	LONG. = 40 22 45.3	2.3
	Z = -24501	15	RAD. = 1736164.1	22.2
92799	X = 1310455	21	LAT. = - 2 14 57.3	2.2
	Y = 1135925	24	LONG. = 40 55 9.5	2.5
	Z = -68116	18	RAD. = 1735585.8	23.5
92796	X = 1293088	20	LAT. = - 0 38 44.0	1.6
	Y = 1158299	21	LONG. = 41 51 9.9	2.3
	Z = -19561	13	RAD. = 1736120.6	21.5
R3815	X = 1291148	33	LAT. = - 1 12 30.6	4.1
	Y = 1159562	39	LONG. = 41 55 35.7	3.7
	Z = -36609	35	RAD. = 1735796.3	40.7
N4415	X = 1305244	37	LAT. = - 2 20 51.0	4.7
	Y = 1141910	43	LONG. = 41 10 53.4	4.3
	Z = -71095	41	RAD. = 1735705.8	45.0
N4485	X = 1306379	42	LAT. = - 2 46 46.9	6.1
	Y = 1139457	78	LONG. = 41 5 44.8	5.7
	Z = -84166	54	RAD. = 1735532.7	76.8
N4435	X = 1295416	34	LAT. = - 4 18 8.1	2.4
	Y = 1148034	35	LONG. = 41 32 53.7	3.4
	Z = -130217	21	RAD. = 1735811.8	39.4
N4599	X = 1295292	28	LAT. = - 5 2 44.4	2.8
	Y = 1145824	29	LONG. = 41 29 46.4	3.8
	Z = -152688	24	RAD. = 1736089.8	25.1
N4487	X = 1295514	47	LAT. = - 5 23 26.5	3.4
	Y = 1143344	75	LONG. = 41 25 46.9	5.1
	Z = -163050	27	RAD. = 1735562.6	76.4
G5615	X = 1296691	29	LAT. = - 5 43 22.5	2.5
	Y = 1140686	34	LONG. = 41 20 15.9	3.5
	Z = -173077	21	RAD. = 1735663.9	33.9
N4489	X = 1285985	51	LAT. = - 7 25 2.0	6.7
	Y = 1145193	74	LONG. = 41 41 8.3	4.8
	Z = -224173	49	RAD. = 1736513.2	74.9
G5635	X = 1290504	33	LAT. = - 7 26 .1	2.6
	Y = 1140605	33	LONG. = 41 28 18.0	3.6
	Z = -224710	22	RAD. = 1736915.3	35.1

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92786	X = 1277625 Y = 1174007 Z = -51991	19 20 13	LAT. = - 1 42 58.6 LONG. = 42 34 47.4 RAD. = 1735892.5	1.6 2.3 20.1
R3835	X = 1285540 Y = 1161665 Z = -101968	30 35 22	LAT. = - 3 22 4.8 LONG. = 42 6 8.0 RAD. = 1735649.1	2.5 3.3 37.0
R3845	X = 1281604 Y = 1164190 Z = -122105	33 35 21	LAT. = - 4 2 2.3 LONG. = 42 15 5.6 RAD. = 1735729.4	2.5 3.4 39.1
G5624	X = 1270149 Y = 1165771 Z = -200384	27 29 20	LAT. = - 6 37 47.0 LONG. = 42 32 47.0 RAD. = 1735642.1	2.5 3.1 29.5
G5634	X = 1267319 Y = 1163786 Z = -228025	56 59 33	LAT. = - 7 32 57.1 LONG. = 42 33 41.2 RAD. = 1735652.8	3.5 4.1 75.5
N4413	X = 1250889 Y = 1201716 Z = -64687	31 33 27	LAT. = - 2 8 8.5 LONG. = 43 51 5.1 RAD. = 1735808.1	3.2 3.0 38.0
92752	X = 1249205 Y = 1202900 Z = -71226	25 28 18	LAT. = - 2 21 6.7 LONG. = 43 55 5.4 RAD. = 1735670.9	2.2 2.5 31.0
N4475	X = 1257584 Y = 1194050 Z = -72963	33 40 35	LAT. = - 2 24 33.3 LONG. = 43 30 55.8 RAD. = 1735683.2	4.0 3.5 43.7
N4477	X = 1245717 Y = 1199234 Z = -149603	35 38 23	LAT. = - 4 56 41.3 LONG. = 43 54 39.0 RAD. = 1735613.2	2.8 3.4 43.5
G5613	X = 1247578 Y = 1194938 Z = -169327	32 34 26	LAT. = - 5 35 53.1 LONG. = 43 45 55.3 RAD. = 1735799.4	3.0 3.5 37.0
G5623	X = 1242543 Y = 1194679 Z = -202376	31 31 22	LAT. = - 6 41 46.6 LONG. = 43 52 29.8 RAD. = 1735548.5	2.7 3.3 33.5
G5633	X = 1237949 Y = 1195104 Z = -225873	28 30 22	LAT. = - 7 28 42.1 LONG. = 43 59 28.1 RAD. = 1735456.7	2.8 3.1 30.9

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TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3813	X = 1236162 Y = 1218378 Z = -27026	31 36 32	LAT. = - 0 53 31.5 LONG. = 44 35 5.6 RAD. = 1735877.3	3.8 3.3 38.3
92751	X = 1243332 Y = 1210556 Z = -44423	20 20 13	LAT. = - 1 27 59.0 LONG. = 44 14 5.1 RAD. = 1735884.4	1.5 2.2 21.3
R3875	X = 1233663 Y = 1220389 Z = -44449	35 68 40	LAT. = - 1 28 2.3 LONG. = 44 41 24.4 RAD. = 1735871.4	4.6 4.9 64.9
92731	X = 1231091 Y = 1220555 Z = -87152	19 21 13	LAT. = - 2 52 40.8 LONG. = 44 45 17.5 RAD. = 1735780.6	1.6 2.3 20.9
92733	X = 1239008 Y = 1209944 Z = -117522	25 39 23	LAT. = - 3 52 56.1 LONG. = 44 19 12.1 RAD. = 1735775.7	2.9 2.9 37.7
N4433	X = 1244223 Y = 1204080 Z = -122387	32 32 20	LAT. = - 4 2 35.5 LONG. = 44 3 38.3 RAD. = 1735764.7	2.3 3.0 37.5
N4499	X = 1243964 Y = 1201637 Z = -142171	25 24 21	LAT. = - 4 41 57.1 LONG. = 44 0 30.4 RAD. = 1735393.7	2.5 3.0 23.4
N4479	X = 1231496 Y = 1204891 Z = -209458	39 37 30	LAT. = - 6 55 53.9 LONG. = 44 22 27.7 RAD. = 1735574.6	3.9 3.4 43.4
92748	X = 1226769 Y = 1228099 Z = -12105	20 19 12	LAT. = - 0 23 58.3 LONG. = 45 1 51.8 RAD. = 1735896.0	1.5 2.2 20.2
R3876	X = 1224105 Y = 1228130 Z = -78446	38 63 28	LAT. = - 2 35 25.1 LONG. = 45 5 38.5 RAD. = 1735768.0	3.2 4.3 64.8
R3877	X = 1223208 Y = 1227539 Z = -99072	39 63 26	LAT. = - 3 16 19.2 LONG. = 45 6 4.5 RAD. = 1735772.4	3.1 4.3 64.8
N4432	X = 1219370 Y = 1229436 Z = -117673	62 36 23	LAT. = - 3 53 15.6 LONG. = 45 14 7.8 RAD. = 1735575.8	2.7 4.1 62.4

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92710	X = 1207098 Y = 1239655 Z = -135761	20 22 15	LAT. = - 4 29 10.9 LONG. = 45 45 44.5 RAD. = 1735586.2	1.8 2.3 21.9
G5612	X = 1220824 Y = 1222428 Z = -166798	31 27 20	LAT. = - 5 30 52.7 LONG. = 45 2 15.4 RAD. = 1735674.0	2.4 3.0 32.4
R3879	X = 1214255 Y = 1228650 Z = -168454	43 64 45	LAT. = - 5 34 11.0 LONG. = 45 20 15.4 RAD. = 1735618.9	6.0 4.1 64.9
N4452	X = 1206583 Y = 1234624 Z = -179924	38 35 34	LAT. = - 5 57 .5 LONG. = 45 39 29.2 RAD. = 1735659.1	4.3 3.8 38.6
D305E	X = 1192826 Y = 1260962 Z = -9250	20 25 18	LAT. = - 0 18 19.1 LONG. = 46 35 26.0 RAD. = 1735783.0	2.2 2.4 24.4
92725	X = 1192837 Y = 1261000 Z = -9276	21 18 13	LAT. = - 0 18 22.3 LONG. = 46 35 28.2 RAD. = 1735819.3	1.5 2.2 20.8
92726	X = 1204279 Y = 1249908 Z = -25492	23 20 14	LAT. = - 0 50 29.2 LONG. = 46 3 54.5 RAD. = 1735859.0	1.6 2.3 23.4
N4281	X = 1187002 Y = 1265184 Z = -53117	43 68 56	LAT. = - 1 45 13.5 LONG. = 46 49 34.0 RAD. = 1735651.9	6.5 4.2 73.9
N4286	X = 1204406 Y = 1248386 Z = -59986	32 38 34	LAT. = - 1 58 50.0 LONG. = 46 1 38.0 RAD. = 1735701.6	3.9 3.3 41.5
92706	X = 1188451 Y = 1262230 Z = -80742	19 19 12	LAT. = - 2 39 59.4 LONG. = 46 43 27.8 RAD. = 1735557.5	1.4 2.1 19.9
N4288	X = 1196869 Y = 1251041 Z = -120021	33 37 23	LAT. = - 3 57 55.8 LONG. = 46 16 3.9 RAD. = 1735512.1	2.7 3.2 41.5
N4399	X = 1190849 Y = 1255455 Z = -131441	23 22 19	LAT. = - 4 20 37.8 LONG. = 46 30 46.2 RAD. = 1735386.0	2.2 2.8 21.5

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

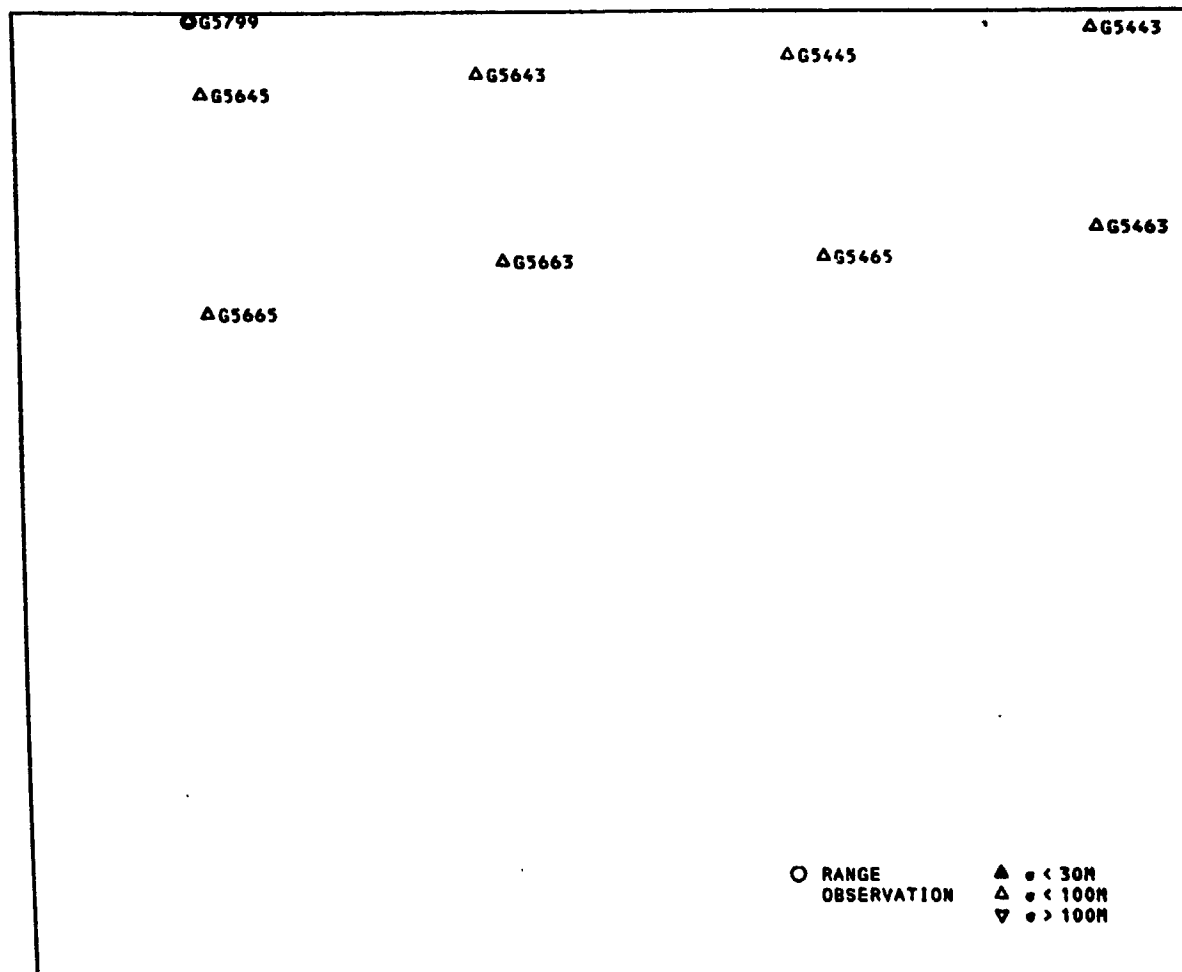
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5415	X = 1196825 Y = 1247976 Z = -149506	30 29 21	LAT. = - 4 56 30.2 LONG. = 46 11 55.0 RAD. = 1735565.1	2.5 2.9 33.9
92577	X = 1186312 Y = 1256296 Z = -160709	24 25 19	LAT. = - 5 18 49.4 LONG. = 46 38 28.1 RAD. = 1735351.3	2.3 2.6 26.6
G5425	X = 1190793 Y = 1248282 Z = -191071	30 28 22	LAT. = - 6 19 12.2 LONG. = 46 21 .7 RAD. = 1735713.8	2.6 3.1 31.1
N4290	X = 1183126 Y = 1254390 Z = -198524	36 36 29	LAT. = - 6 34 3.5 LONG. = 46 40 28.7 RAD. = 1735711.5	3.8 3.2 41.2
G5435	X = 1185577 Y = 1248641 Z = -219849	40 33 24	LAT. = - 7 16 34.9 LONG. = 46 29 2.6 RAD. = 1735808.1	3.0 3.4 42.9
G5599	X = 1183522 Y = 1248684 Z = -230212	37 37 24	LAT. = - 7 37 17.2 LONG. = 46 32 4.8 RAD. = 1735781.0	2.9 3.4 44.5
R3615	X = 1179057 Y = 1273645 Z = -16166	30 35 31	LAT. = - 0 32 1.1 LONG. = 47 12 30.7 RAD. = 1735686.3	3.6 3.2 37.7
92703	X = 1165876 Y = 1285432 Z = -23632	23 19 14	LAT. = - 0 46 48.7 LONG. = 47 47 32.0 RAD. = 1735557.8	1.7 2.3 22.5
R3690	X = 1177185 Y = 1275191 Z = -24336	31 34 29	LAT. = - 0 48 12.2 LONG. = 47 17 18.8 RAD. = 1735646.5	3.4 3.2 37.7
92705	X = 1175850 Y = 1274941 Z = -62843	21 19 12	LAT. = - 2 4 30.4 LONG. = 47 18 55.2 RAD. = 1735525.2	1.5 2.2 21.8
92572	X = 1163165 Y = 1285971 Z = -71812	48 49 33	LAT. = - 2 22 17.6 LONG. = 47 52 14.1 RAD. = 1735462.9	3.7 3.1 64.1
R3692	X = 1167187 Y = 1281516 Z = -82776	32 33 22	LAT. = - 2 44 2.5 LONG. = 47 40 23.4 RAD. = 1735356.1	2.6 3.2 37.9

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3645	X = 1159247 Y = 1287339 Z = -102101	29 28 18	LAT. = - 3 22 22.6 LONG. = 47 59 49.2 RAD. = 1735373.1	2.2 2.8 33.5
N4283	X = 1178581 Y = 1267669 Z = -125063	47 65 27	LAT. = - 4 7 57.4 LONG. = 47 5 8.5 RAD. = 1735418.5	3.1 3.9 73.8
92575	X = 1179466 Y = 1266045 Z = -131275	35 36 20	LAT. = - 4 20 18.8 LONG. = 47 1 39.4 RAD. = 1735293.1	2.5 2.9 43.1
E2755	X = 1179058 Y = 1266388 Z = -131610	20 25 17	LAT. = - 4 20 58.8 LONG. = 47 2 42.9 RAD. = 1735292.2	2.2 2.4 24.3
G5434	X = 1160318 Y = 1273726 Z = -209509	54 60 34	LAT. = - 6 55 58.4 LONG. = 47 40 3.5 RAD. = 1735687.4	3.5 3.8 76.7
C1466	X = 1148408 Y = 1300354 Z = -41143	17 17 11	LAT. = - 1 21 30.7 LONG. = 48 33 2.4 RAD. = 1735354.8	1.3 2.0 16.9
92569	X = 1148515 Y = 1300647 Z = -41540	34 56 43	LAT. = - 1 22 17.1 LONG. = 48 33 15.9 RAD. = 1735654.4	5.0 3.1 60.9
N4276	X = 1148476 Y = 1299687 Z = -56050	31 38 32	LAT. = - 1 51 3.4 LONG. = 48 32 3.8 RAD. = 1735316.8	3.7 3.2 41.1
R3687	X = 1150588 Y = 1296114 Z = -88326	43 59 25	LAT. = - 2 55 2.8 LONG. = 48 24 13.9 RAD. = 1735386.5	3.1 3.7 65.1
N4233	X = 1139237 Y = 1304923 Z = -102434	28 31 18	LAT. = - 3 23 3.0 LONG. = 48 52 41.1 RAD. = 1735274.3	2.2 2.7 34.4
N4278	X = 1140330 Y = 1303093 Z = -112790	32 36 23	LAT. = - 3 43 36.4 LONG. = 48 48 39.6 RAD. = 1735259.4	2.6 3.1 41.0
92495	X = 1136012 Y = 1306352 Z = -118762	20 25 13	LAT. = - 3 55 27.8 LONG. = 48 59 22.5 RAD. = 1735275.6	1.5 2.2 26.3

TERRAIN POINTS ON MAP SHEET 79B (CONTINUED)

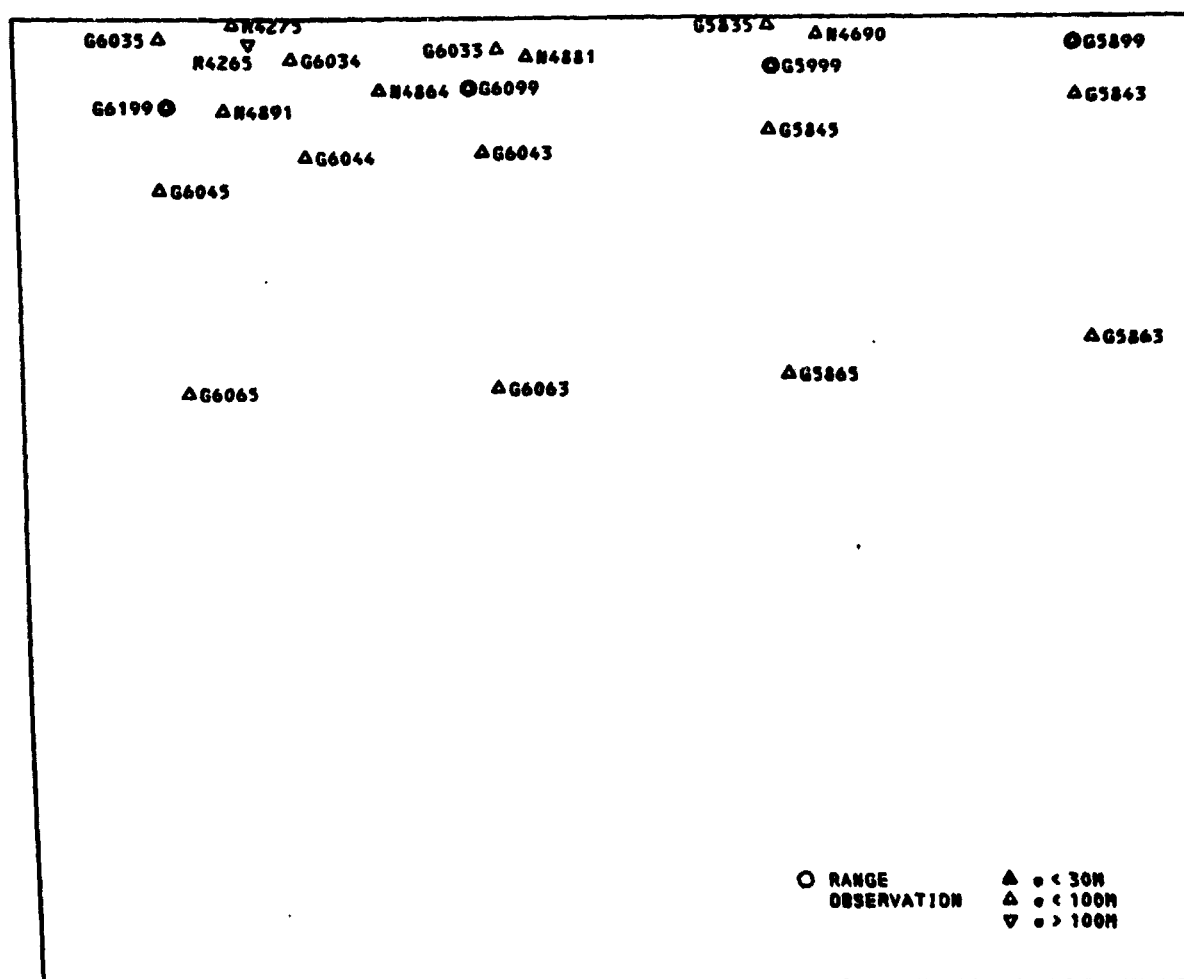
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3694	X = 1155070	35	LAT. = - 4 49 1.8	3.4
	Y = 1286723	32	LONG. = 48 5 10.3	3.2
	Z = -145720	27	RAD. = 1735246.1	37.8
G5413	X = 1136965	23	LAT. = - 4 52 23.0	2.0
	Y = 1302511	25	LONG. = 48 52 56.0	2.6
	Z = -147404	17	RAD. = 1735209.9	25.5
92947	X = 1152441	30	LAT. = - 5 4 48.2	3.1
	Y = 1288166	30	LONG. = 48 10 58.8	2.8
	Z = -153652	25	RAD. = 1735251.9	34.1
G5433	X = 1130381	31	LAT. = - 7 3 48.2	2.5
	Y = 1299530	28	LONG. = 48 58 55.1	3.1
	Z = -213414	21	RAD. = 1735536.0	33.2
83066	X = 1132359	19	LAT. = - 0 32 27.5	2.2
	Y = 1315262	26	LONG. = 49 16 24.9	2.4
	Z = -16387	18	RAD. = 1735632.4	24.6
C1454	X = 1135701	17	LAT. = - 0 35 5.9	1.3
	Y = 1312333	16	LONG. = 49 7 36.8	2.0
	Z = -17720	11	RAD. = 1735612.2	15.9
92493	X = 1128022	23	LAT. = - 3 13 40.7	1.9
	Y = 1314941	22	LONG. = 49 22 31.3	2.5
	Z = -97709	16	RAD. = 1735237.4	24.4
92485	X = 1123893	19	LAT. = - 5 4 39.1	1.6
	Y = 1313281	22	LONG. = 49 26 36.3	2.2
	Z = -153584	13	RAD. = 1735347.9	22.4
92487	X = 1132442	20	LAT. = - 5 46 19.7	2.2
	Y = 1303268	26	LONG. = 49 0 42.5	2.4
	Z = -174527	18	RAD. = 1735335.8	24.6
N4263	X = 1119659	26	LAT. = - 6 17 45.9	2.4
	Y = 1312119	27	LONG. = 49 31 30.6	2.8
	Z = -190312	19	RAD. = 1735370.3	29.5
N4280	X = 1125882	35	LAT. = - 6 20 57.9	3.9
	Y = 1306657	36	LONG. = 49 15 .5	3.2
	Z = -191926	30	RAD. = 1735453.7	40.7
G5499	X = 1127557	28	LAT. = - 7 23 21.3	2.8
	Y = 1300376	26	LONG. = 49 4 17.1	3.4
	Z = -223210	23	RAD. = 1735565.3	25.8



MAP SHEET 79C

TERRAIN POINTS ON MAP SHEET 79C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5799	X = 1287034 Y = 1138033 Z = -243423	31 31 26	LAT. = - 8 3 52.1 LONG. = 41 29 2.6 RAD. = 1735174.3	3.0 3.9 28.8
G5645	X = 1283308 Y = 1138338 Z = -261871	40 40 26	LAT. = - 8 40 46.4 LONG. = 41 34 26.9 RAD. = 1735300.9	3.2 3.9 45.4
G5665	X = 1276680 Y = 1133862 Z = -316581	41 41 32	LAT. = -10 30 13.4 LONG. = 41 36 33.7 RAD. = 1736599.3	4.4 3.9 44.7
G5643	X = 1236545 Y = 1190954 Z = -257160	38 40 25	LAT. = - 8 31 8.4 LONG. = 43 55 26.5 RAD. = 1735956.8	3.1 3.6 45.2
G5663	X = 1225473 Y = 1189298 Z = -303379	41 41 32	LAT. = -10 4 25.5 LONG. = 44 8 30.3 RAD. = 1734431.4	4.3 3.6 45.8
G5445	X = 1180901 Y = 1246928 Z = -252624	38 38 24	LAT. = - 8 22 5.4 LONG. = 46 33 28.2 RAD. = 1735849.5	3.0 3.4 44.5
G5465	X = 1169004 Y = 1247485 Z = -302572	41 38 31	LAT. = -10 2 11.1 LONG. = 46 51 36.6 RAD. = 1736185.4	4.3 3.4 44.2
G5443	X = 1124428 Y = 1299151 Z = -245807	36 37 23	LAT. = - 8 8 30.0 LONG. = 49 7 24.6 RAD. = 1735670.2	2.9 3.4 42.9
G5463	X = 1117997 Y = 1294760 Z = -295046	38 39 30	LAT. = - 9 47 9.2 LONG. = 49 11 24.3 RAD. = 1735907.3	4.1 3.4 42.8



MAP SHEET 79D

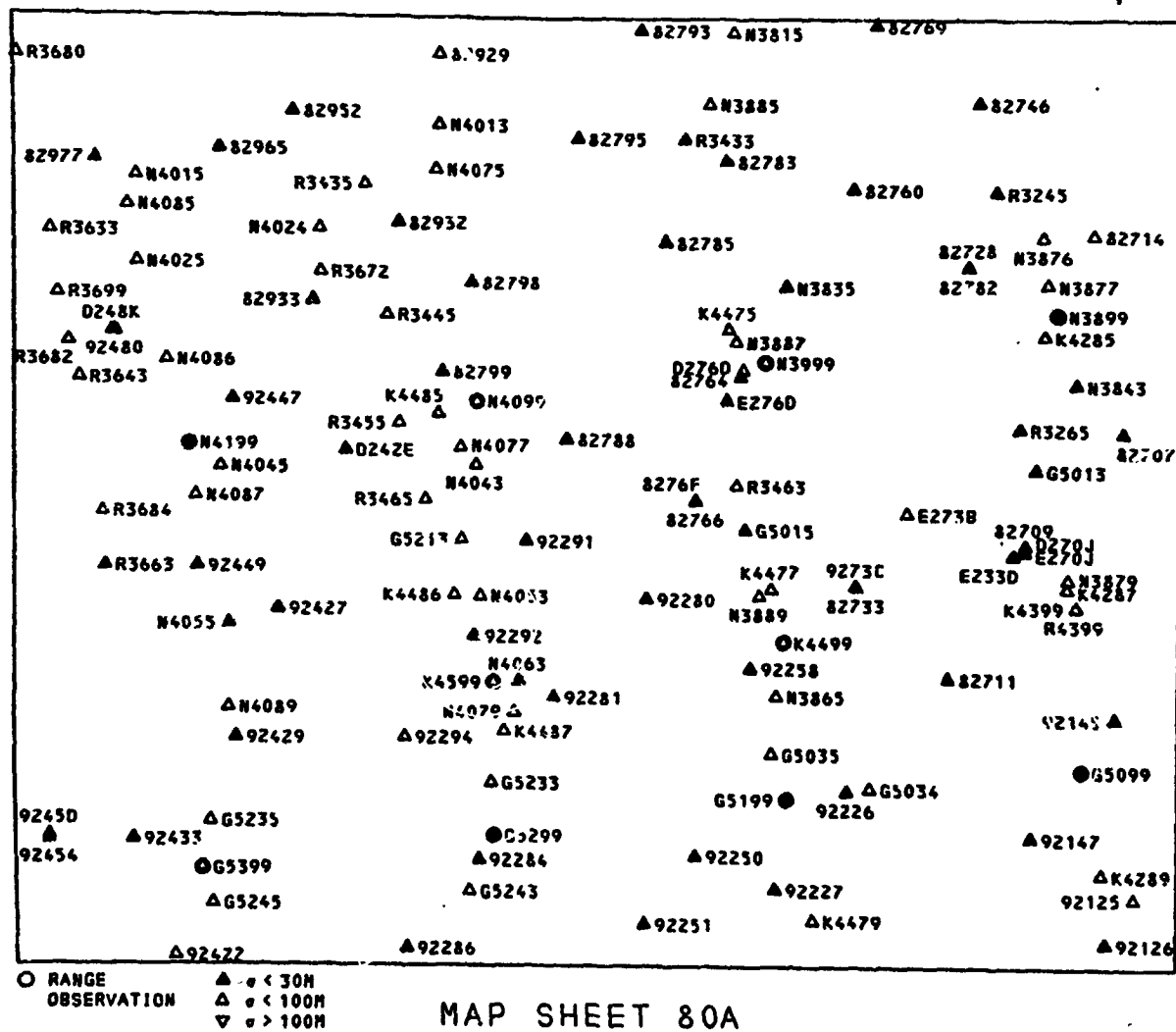
TERRAIN POINTS ON MAP SHEET 79D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R4275	X = 1460454 Y = 906863 Z = -243037	51 47 34	LAT. = - 8 2 48.5 LONG. = 31 50 17.0 RAD. = 1736200.7	4.4 5.5 49.6
G6035	X = 1468508 Y = 890088 Z = -246345	40 44 24	LAT. = - 8 9 49.8 LONG. = 31 13 14.8 RAD. = 1734778.8	2.9 5.2 39.5
R4265	X = 1457540 Y = 909909 Z = -247628	227 113 107	LAT. = - 8 12 3.1 LONG. = 31 58 32.1 RAD. = 1735994.1	16.6 6.8 230.1
G6199	X = 1465627 Y = 890222 Z = -263190	38 42 26	LAT. = - 8 43 32.6 LONG. = 31 16 28.2 RAD. = 1734884.9	3.1 5.4 34.9
N4891	X = 1458668 Y = 902834 Z = -264405	68 74 50	LAT. = - 8 45 43.5 LONG. = 31 45 18.7 RAD. = 1735722.3	7.0 6.2 79.4
G6045	X = 1464001 Y = 886784 Z = -283839	41 46 27	LAT. = - 9 24 56.3 LONG. = 31 12 15.9 RAD. = 1735007.2	3.4 5.4 41.9
G6065	X = 1452683 Y = 887144 Z = -334087	50 49 34	LAT. = -11 6 16.2 LONG. = 31 24 43.7 RAD. = 1734625.2	4.7 5.6 49.5
G6034	X = 1451507 Y = 918800 Z = -251747	42 44 25	LAT. = - 8 20 13.7 LONG. = 32 20 1.3 RAD. = 1736215.3	3.2 5.1 42.3
G6044	X = 1445646 Y = 919059 Z = -275886	48 47 28	LAT. = - 9 8 55.9 LONG. = 32 26 45.2 RAD. = 1735129.9	3.7 5.2 49.1
G6099	X = 1427332 Y = 956923 Z = -259179	37 39 25	LAT. = - 8 34 36.8 LONG. = 33 50 20.3 RAD. = 1737858.6	3.0 5.0 34.3
N4864	X = 1439152 Y = 937465 Z = -259661	48 44 26	LAT. = - 8 35 48.9 LONG. = 33 4 49.0 RAD. = 1737073.3	3.4 5.2 48.3
G6043	X = 1421668 Y = 957107 Z = -274978	46 48 33	LAT. = - 9 6 54.9 LONG. = 33 56 58.4 RAD. = 1735744.0	4.2 5.5 47.4

TERRAIN POINTS ON MAP SHEET 79D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G6033	X = 1424644 Y = 963824 Z = -249713	42 41 25	LAT. = - 8 15 37.3 LONG. = 34 4 47.3 RAD. = 1738080.8	3.1 5.0 41.0
N4881	X = 1420469 Y = 970047 Z = -251604	48 45 32	LAT. = - 8 19 18.6 LONG. = 34 19 45.9 RAD. = 1738398.1	4.2 5.1 47.5
G6063	X = 1410420 Y = 953433 Z = -333020	49 47 34	LAT. = -11 4 4.9 LONG. = 34 3 30.2 RAD. = 1734710.5	4.7 5.2 48.7
G5835	X = 1383446 Y = 1018618 Z = -243480	43 45 28	LAT. = - 8 3 59.1 LONG. = 36 21 49.8 RAD. = 1735162.2	3.2 4.8 48.5
N4690	X = 1375883 Y = 1028390 Z = -245850	87 47 46	LAT. = - 8 8 42.3 LONG. = 36 46 33.2 RAD. = 1735247.1	6.5 6.1 80.2
G5999	X = 1381642 Y = 1018608 Z = -253692	36 37 27	LAT. = - 8 24 25.4 LONG. = 36 23 57.4 RAD. = 1735182.1	3.2 4.8 32.5
G5845	X = 1380294 Y = 1016606 Z = -269520	80 48 31	LAT. = - 8 56 6.0 LONG. = 36 22 19.8 RAD. = 1735321.4	3.8 5.8 79.8
G5865	X = 1368467 Y = 1013604 Z = -329683	47 46 34	LAT. = -10 57 23.5 LONG. = 36 31 36.5 RAD. = 1734585.2	4.7 4.8 48.5
G5899	X = 1336093 Y = 1079685 Z = -247963	35 33 26	LAT. = - 8 12 49.7 LONG. = 38 56 28.9 RAD. = 1735612.4	3.1 4.4 31.1
G5843	X = 1334199 Y = 1078836 Z = -260951	41 43 26	LAT. = - 8 38 51.7 LONG. = 38 57 32.7 RAD. = 1735531.3	3.2 4.3 46.9
G5863	X = 1323208 Y = 1075321 Z = -320822	44 44 33	LAT. = -10 39 22.2 LONG. = 39 5 58.0 RAD. = 1734970.6	4.6 4.3 47.0

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TERRAIN POINTS ON MAP SHEET 80A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3680	X = 1114780 Y = 1330096 Z = -10097	29 35 29	LAT. = - 0 20 .0 LONG. = 50 1 58.7 RAD. = 1735508.8	3.4 3.2 36.8
82977	X = 1099007 Y = 1342597 Z = -36375	19 18 13	LAT. = - 1 12 3.7 LONG. = 50 41 50.4 RAD. = 1735426.6	1.5 2.2 18.7
N4085	X = 1092281 Y = 1347583 Z = -48147	29 38 31	LAT. = - 1 35 23.6 LONG. = 50 58 24.8 RAD. = 1735332.1	3.6 3.2 40.3
R3633	X = 1107710 Y = 1334806 Z = -54604	37 33 26	LAT. = - 1 48 11.1 LONG. = 50 18 42.8 RAD. = 1735427.4	3.0 3.0 43.6
R3699	X = 1105889 Y = 1335398 Z = -70702	31 33 22	LAT. = - 2 20 6.2 LONG. = 50 22 14.4 RAD. = 1735303.2	2.6 3.1 36.9
D248K	X = 1094575 Y = 1343952 Z = -80435	20 49 21	LAT. = - 2 39 25.1 LONG. = 50 50 20.8 RAD. = 1735157.5	2.7 3.7 41.7
92480	X = 1093940 Y = 1344506 Z = -80506	17 17 11	LAT. = - 2 39 33.3 LONG. = 50 52 .9 RAD. = 1735189.0	1.3 2.0 17.2
R3682	X = 1103396 Y = 1336737 Z = -83012	31 33 22	LAT. = - 2 44 30.9 LONG. = 50 27 44.6 RAD. = 1735292.4	2.6 3.1 37.0
R3643	X = 1100954 Y = 1338252 Z = -92277	28 28 18	LAT. = - 3 2 53.1 LONG. = 50 33 23.5 RAD. = 1735377.1	2.1 2.7 32.5
R3684	X = 1094727 Y = 1340323 Z = -126348	33 33 26	LAT. = - 4 10 32.6 LONG. = 50 45 33.5 RAD. = 1735181.6	3.2 3.1 37.1
R3663	X = 1093760 Y = 1340026 Z = -140284	22 22 16	LAT. = - 4 38 11.9 LONG. = 50 46 40.4 RAD. = 1735413.8	1.9 2.5 22.9
92450	X = 1100037 Y = 1324483 Z = -208606	20 26 16	LAT. = - 6 54 30.0 LONG. = 50 17 20.4 RAD. = 1734316.2	2.1 2.4 24.6

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92454	X = 1099914	21	LAT. = - 6 56 21.2	2.2
	Y = 1324377	26	LONG. = 50 17 23.6	2.5
	Z = -209528	18	RAD. = 1734268.5	24.7
82965	X = 1073881	17	LAT. = - 1 6 51.1	1.4
	Y = 1362972	17	LONG. = 51 45 56.0	2.0
	Z = -33748	11	RAD. = 1735526.2	16.9
N4015	X = 1090612	25	LAT. = - 1 20 40.4	2.7
	Y = 1349191	32	LONG. = 51 2 59.4	2.7
	Z = -40720	23	RAD. = 1735340.8	33.7
N4025	X = 1090116	25	LAT. = - 2 4 12.8	2.3
	Y = 1348740	32	LONG. = 51 3 11.5	2.7
	Z = -62688	20	RAD. = 1735332.9	33.4
N4086	X = 1083256	31	LAT. = - 2 53 40.2	2.7
	Y = 1352639	37	LONG. = 51 18 38.3	3.1
	Z = -87620	24	RAD. = 1735152.6	40.4
92447	X = 1069529	22	LAT. = - 3 13 27.7	1.9
	Y = 1362858	21	LONG. = 51 52 34.5	2.2
	Z = -97596	17	RAD. = 1735165.8	24.3
N4199	X = 1077863	21	LAT. = - 3 36 9.8	2.1
	Y = 1355348	21	LONG. = 51 30 21.4	2.7
	Z = -109032	18	RAD. = 1735121.3	18.8
N4045	X = 1071349	24	LAT. = - 3 47 30.8	2.1
	Y = 1360073	30	LONG. = 51 46 19.2	2.7
	Z = -114750	18	RAD. = 1735152.9	30.5
N4087	X = 1076047	32	LAT. = - 4 2 32.5	2.6
	Y = 1355719	36	LONG. = 51 33 38.3	3.1
	Z = -122319	22	RAD. = 1735169.7	40.3
92449	X = 1075119	20	LAT. = - 4 38 8.3	1.5
	Y = 1355096	20	LONG. = 51 34 18.7	2.1
	Z = -140258	13	RAD. = 1735464.8	22.0
N4055	X = 1068022	22	LAT. = - 5 7 20.0	2.1
	Y = 1359053	27	LONG. = 51 50 15.7	2.6
	Z = -154940	18	RAD. = 1735425.3	27.5
N4089	X = 1066629	34	LAT. = - 5 49 41.9	3.7
	Y = 1357332	36	LONG. = 51 50 19.5	3.1
	Z = -176211	28	RAD. = 1735252.1	40.1

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92429	X = 1064742 Y = 1357933 Z = -183877	18 22 13	LAT. = - 6 4 56.7 LONG. = 51 54 1.3 RAD. = 1735358.5	1.6 2.1 21.8
G5235	X = 1068381 Y = 1351987 Z = -205064	27 34 20	LAT. = - 6 47 11.5 LONG. = 51 40 59.3 RAD. = 1735326.0	2.4 3.0 35.7
92433	X = 1083731 Y = 1338997 Z = -209678	18 23 15	LAT. = - 6 56 23.9 LONG. = 51 0 52.8 RAD. = 1735324.4	1.9 2.2 21.7
G5399	X = 1069260 Y = 1349461 Z = -217049	26 31 26	LAT. = - 7 11 6.1 LONG. = 51 36 29.1 RAD. = 1735359.5	3.2 3.9 23.1
G5245	X = 1066471 Y = 1350402 Z = -226011	27 35 20	LAT. = - 7 28 57.7 LONG. = 51 42 1.1 RAD. = 1735519.7	2.5 3.0 35.6
92422	X = 1072870 Y = 1342731 Z = -239419	24 39 21	LAT. = - 7 55 49.2 LONG. = 51 22 27.9 RAD. = 1735308.7	2.8 3.1 36.4
82952	X = 1058798 Y = 1375041 Z = -24213	19 20 13	LAT. = - 0 47 57.7 LONG. = 52 24 11.9 RAD. = 1735620.0	1.5 2.1 21.1
N4024	X = 1052660 Y = 1378517 Z = -53957	34 34 23	LAT. = - 1 46 54.6 LONG. = 52 38 2.5 RAD. = 1735313.6	2.6 2.8 42.7
R3672	X = 1052276 Y = 1378297 Z = -65014	55 46 25	LAT. = - 2 8 49.6 LONG. = 52 38 22.9 RAD. = 1735284.7	3.0 3.8 63.8
82933	X = 1053733 Y = 1376793 Z = -72319	16 16 11	LAT. = - 2 23 18.7 LONG. = 52 34 16.5 RAD. = 1735263.9	1.3 1.9 16.2
D242E	X = 1045963 Y = 1380815 Z = -110564	18 26 16	LAT. = - 3 39 7.4 LONG. = 52 51 22.2 RAD. = 1735774.4	2.0 2.4 24.3
92427	X = 1057820 Y = 1367102 Z = -151091	19 21 12	LAT. = - 4 59 43.5 LONG. = 52 16 6.4 RAD. = 1735159.5	1.4 2.1 21.7

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82929	X = 1027896 Y = 1397557 Z = -9383	24 27 14	LAT. = - 0 18 35.5 LONG. = 53 39 56.6 RAD. = 1734884.6	1.6 2.2 30.9
N4013	X = 1027939 Y = 1397251 Z = -27385	24 31 22	LAT. = - 0 54 16.1 LONG. = 53 39 30.8 RAD. = 1734853.8	2.6 2.6 32.7
N4075	X = 1028452 Y = 1396816 Z = -38839	29 37 30	LAT. = - 1 16 57.7 LONG. = 53 38 11.1 RAD. = 1735026.7	3.5 3.1 39.7
R3435	X = 1043603 Y = 1385976 Z = -42586	37 33 25	LAT. = - 1 24 22.0 LONG. = 53 1 16.5 RAD. = 1735468.5	2.9 2.9 42.8
82932	X = 1036525 Y = 1391164 Z = -52448	19 24 14	LAT. = - 1 43 53.9 LONG. = 53 18 39.7 RAD. = 1735648.1	1.7 2.2 23.5
82798	X = 1020626 Y = 1401548 Z = -67705	16 16 11	LAT. = - 2 14 10.6 LONG. = 53 56 14.7 RAD. = 1735107.7	1.3 1.9 16.0
R3445	X = 1038260 Y = 1388590 Z = -75977	27 28 18	LAT. = - 2 30 32.8 LONG. = 53 12 51.3 RAD. = 1735494.0	2.1 2.6 31.3
82799	X = 1026041 Y = 1396349 Z = -90464	16 16 11	LAT. = - 2 59 18.8 LONG. = 53 41 29.3 RAD. = 1735146.4	1.2 1.9 15.6
N4099	X = 1018731 Y = 1401409 Z = -97994	22 19 19	LAT. = - 3 14 14.0 LONG. = 53 59 7.3 RAD. = 1735328.0	2.3 2.7 17.8
K4485	X = 1026494 Y = 1395331 Z = -101112	30 80 54	LAT. = - 3 20 26.2 LONG. = 53 39 34.0 RAD. = 1735183.2	5.9 5.3 75.4
R3455	X = 1034902 Y = 1389240 Z = -103659	27 27 18	LAT. = - 3 25 27.6 LONG. = 53 18 57.8 RAD. = 1735440.8	2.3 2.6 31.4
N4077	X = 1021577 Y = 1398358 Z = -109859	30 36 22	LAT. = - 3 37 47.4 LONG. = 53 50 59.4 RAD. = 1735250.2	2.6 3.0 39.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4043	X = 1018324 Y = 1400512 Z = -114271	24 42 21	LAT. = - 3 46 32.1 LONG. = 53 58 43.6 RAD. = 1735360.7	2.4 3.1 40.3
R3465	X = 1028433 Y = 1392237 Z = -123111	28 27 20	LAT. = - 4 4 6.1 LONG. = 53 32 49.4 RAD. = 1735267.9	2.5 2.7 31.5
G5213	X = 1020719 Y = 1397155 Z = -133362	28 27 24	LAT. = - 4 24 26.4 LONG. = 53 50 57.4 RAD. = 1735423.7	2.7 2.9 30.8
K4486	X = 1021442 Y = 1395077 Z = -147395	32 79 32	LAT. = - 4 52 21.0 LONG. = 53 47 21.5 RAD. = 1735312.3	3.4 5.0 75.1
92292	X = 1016686 Y = 1397468 Z = -157950	19 20 12	LAT. = - 5 13 19.8 LONG. = 53 57 48.1 RAD. = 1735371.5	1.4 2.0 21.7
92294	X = 1029779 Y = 1384676 Z = -183805	21 39 18	LAT. = - 6 4 47.8 LONG. = 53 21 43.0 RAD. = 1735383.8	1.9 2.7 38.9
G5243	X = 1013350 Y = 1390919 Z = -222789	24 34 19	LAT. = - 7 22 35.3 LONG. = 53 55 29.6 RAD. = 1735271.9	2.4 2.7 33.9
92286	X = 1025215 Y = 1379872 Z = -237220	17 23 13	LAT. = - 7 51 25.6 LONG. = 53 23 18.4 RAD. = 1735335.0	1.7 2.2 21.8
82795	X = 998479 Y = 1418155 Z = -30777	19 24 14	LAT. = - 1 0 59.8 LONG. = 54 51 6.5 RAD. = 1734666.8	1.6 2.2 24.4
82788	X = 999217 Y = 1414631 Z = -107723	16 16 11	LAT. = - 3 33 32.7 LONG. = 54 45 53.0 RAD. = 1735287.2	1.3 1.9 16.6
92291	X = 1006990 Y = 1407041 Z = -133708	17 19 12	LAT. = - 4 25 7.8 LONG. = 54 24 34.1 RAD. = 1735416.7	1.4 2.0 18.9
N4053	X = 1015979 Y = 1399102 Z = -147676	24 30 18	LAT. = - 4 52 53.9 LONG. = 54 0 51.0 RAD. = 1735369.5	2.2 2.6 30.8

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N4063	X = 1006713 Y = 1403374 Z = -169489	22 23 16	LAT. = - 5 36 17.0 LONG. = 54 20 46.2 RAD. = 1735412.0	2.0 2.4 24.9
K4599	X = 1011945 Y = 1399557 Z = -169757	25 21 23	LAT. = - 5 36 49.1 LONG. = 54 7 52.7 RAD. = 1735399.4	2.7 3.1 19.6
92281	X = 999115 Y = 1408656 Z = -173527	19 20 13	LAT. = - 5 44 15.9 LONG. = 54 39 11.3 RAD. = 1735700.0	1.5 2.1 21.6
N4079	X = 1007085 Y = 1402115 Z = -177289	34 36 31	LAT. = - 5 51 49.1 LONG. = 54 18 42.4 RAD. = 1735390.1	4.0 3.1 39.5
K4487	X = 1008895 Y = 1400084 Z = -182139	36 75 26	LAT. = - 6 1 29.6 LONG. = 54 13 25.0 RAD. = 1735303.6	3.4 4.3 74.8
G5233	X = 1010965 Y = 1397291 Z = -195217	25 32 18	LAT. = - 6 27 28.5 LONG. = 54 6 48.9 RAD. = 1735679.3	2.2 2.7 33.8
G5299	X = 1009302 Y = 1396123 Z = -208646	21 21 18	LAT. = - 6 54 20.2 LONG. = 54 8 8.3 RAD. = 1735333.5	2.2 2.7 20.0
92284	X = 1011898 Y = 1393159 Z = -214836	18 30 14	LAT. = - 7 6 43.2 LONG. = 54 0 28.2 RAD. = 1735219.1	1.6 2.4 28.8
82793	X = 985249 Y = 1427945 Z = -3038	20 23 14	LAT. = - 0 6 1.3 LONG. = 55 23 42.8 RAD. = 1734864.0	1.7 2.1 24.4
N3885	X = 970354 Y = 1437934 Z = -21954	28 38 31	LAT. = - 0 43 30.3 LONG. = 55 59 15.1 RAD. = 1734855.6	3.6 3.0 39.7
R3433	X = 975608 Y = 1434154 Z = -30941	22 27 18	LAT. = - 1 1 19.0 LONG. = 55 46 25.8 RAD. = 1734810.6	2.1 2.5 27.7
82785	X = 979307 Y = 1430868 Z = -57361	20 25 13	LAT. = - 1 53 41.1 LONG. = 55 36 42.1 RAD. = 1734853.0	1.5 2.0 27.2

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8276F	X = 971181 Y = 1433110 Z = -123322	19 27 19	LAT. = - 4 4 28.6 LONG. = 55 52 31.9 RAD. = 1735570.3	2.3 2.6 25.0
82766	X = 971160 Y = 1433088 Z = -123325	16 16 11	LAT. = - 4 4 29.3 LONG. = 55 52 32.5 RAD. = 1735540.5	1.3 1.9 16.7
92280	X = 980655 Y = 1424227 Z = -148417	16 16 11	LAT. = - 4 54 20.4 LONG. = 55 27 2.0 RAD. = 1735549.7	1.3 1.9 16.6
92250	X = 966157 Y = 1425700 Z = -213709	18 20 12	LAT. = - 7 4 24.9 LONG. = 55 52 32.2 RAD. = 1735440.0	1.4 2.0 21.7
92251	X = 975735 Y = 1416140 Z = -230885	17 20 12	LAT. = - 7 38 47.6 LONG. = 55 25 57.9 RAD. = 1735171.8	1.5 2.0 20.9
N3815	X = 965439 Y = 1441612 Z = -3643	23 32 24	LAT. = - 0 7 13.1 LONG. = 56 11 24.0 RAD. = 1735030.7	2.9 2.6 32.6
82783	X = 966447 Y = 1440198 Z = -36441	21 24 13	LAT. = - 1 12 13.1 LONG. = 56 8 10.8 RAD. = 1734796.1	1.6 2.0 27.3
N3835	X = 953419 Y = 1448309 Z = -68600	20 23 16	LAT. = - 2 15 56.1 LONG. = 56 38 35.5 RAD. = 1735313.5	1.9 2.3 23.8
K4475	X = 965386 Y = 1439542 Z = -79643	28 38 37	LAT. = - 2 37 51.1 LONG. = 56 9 12.2 RAD. = 1735106.8	4.2 3.1 41.2
N3887	X = 963729 Y = 1440520 Z = -82637	29 37 22	LAT. = - 2 43 47.2 LONG. = 56 13 .8 RAD. = 1735136.9	2.6 3.0 39.6
N3999	X = 957277 Y = 1444611 Z = -87847	22 21 22	LAT. = - 2 54 6.7 LONG. = 56 28 9.8 RAD. = 1735222.6	2.6 3.0 17.8
D276D	X = 962039 Y = 1441463 Z = -89879	20 41 17	LAT. = - 2 58 7.9 LONG. = 56 16 50.4 RAD. = 1735342.6	1.9 2.7 40.4

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TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82764	X = 962522 Y = 1441057 Z = -91608	19 24 14	LAT. = - 3 1 33.5 LONG. = 56 15 35.8 RAD. = 1735363.6	1.6 2.1 24.7
E2760	X = 965452 Y = 1438684 Z = -97806	23 19 19	LAT. = - 3 13 51.4 LONG. = 56 8 8.9 RAD. = 1735360.4	2.2 2.3 23.7
R3463	X = 962297 Y = 1438971 Z = -119314	27 31 23	LAT. = - 3 56 34.2 LONG. = 56 13 40.0 RAD. = 1735191.4	2.9 2.7 33.6
G5015	X = 960098 Y = 1439555 Z = -130647	20 25 16	LAT. = - 4 19 4.2 LONG. = 56 17 56.6 RAD. = 1735273.8	1.9 2.4 24.9
K4477	X = 953768 Y = 1442282 Z = -145803	30 37 23	LAT. = - 4 49 11.7 LONG. = 56 31 25.3 RAD. = 1735254.8	2.7 3.0 41.0
N3889	X = 956136 Y = 1440309 Z = -147510	31 37 27	LAT. = - 4 52 37.2 LONG. = 56 25 19.8 RAD. = 1735063.4	3.5 3.0 39.6
K4499	X = 950349 Y = 1443063 Z = -159159	23 20 20	LAT. = - 5 15 46.0 LONG. = 56 37 57.2 RAD. = 1735202.2	2.4 2.7 19.8
92258	X = 956453 Y = 1436655 Z = -165829	16 18 11	LAT. = - 5 29 17.6 LONG. = 56 20 46.7 RAD. = 1733862.7	1.4 1.9 18.4
N3865	X = 950491 Y = 1439869 Z = -172915	38 32 23	LAT. = - 5 43 23.8 LONG. = 56 34 12.9 RAD. = 1733942.4	2.9 3.1 40.8
G5035	X = 950657 Y = 1437945 Z = -187527	28 30 18	LAT. = - 6 12 31.3 LONG. = 56 31 49.6 RAD. = 1733955.0	2.2 2.6 34.2
G5199	X = 947565 Y = 1440320 Z = -199248	22 21 18	LAT. = - 6 35 32.5 LONG. = 56 39 34.9 RAD. = 1735540.4	2.2 2.6 21.2
92227	X = 948454 Y = 1436336 Z = -222096	17 19 12	LAT. = - 7 21 8.8 LONG. = 56 33 43.4 RAD. = 1735497.9	1.4 1.9 19.8

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

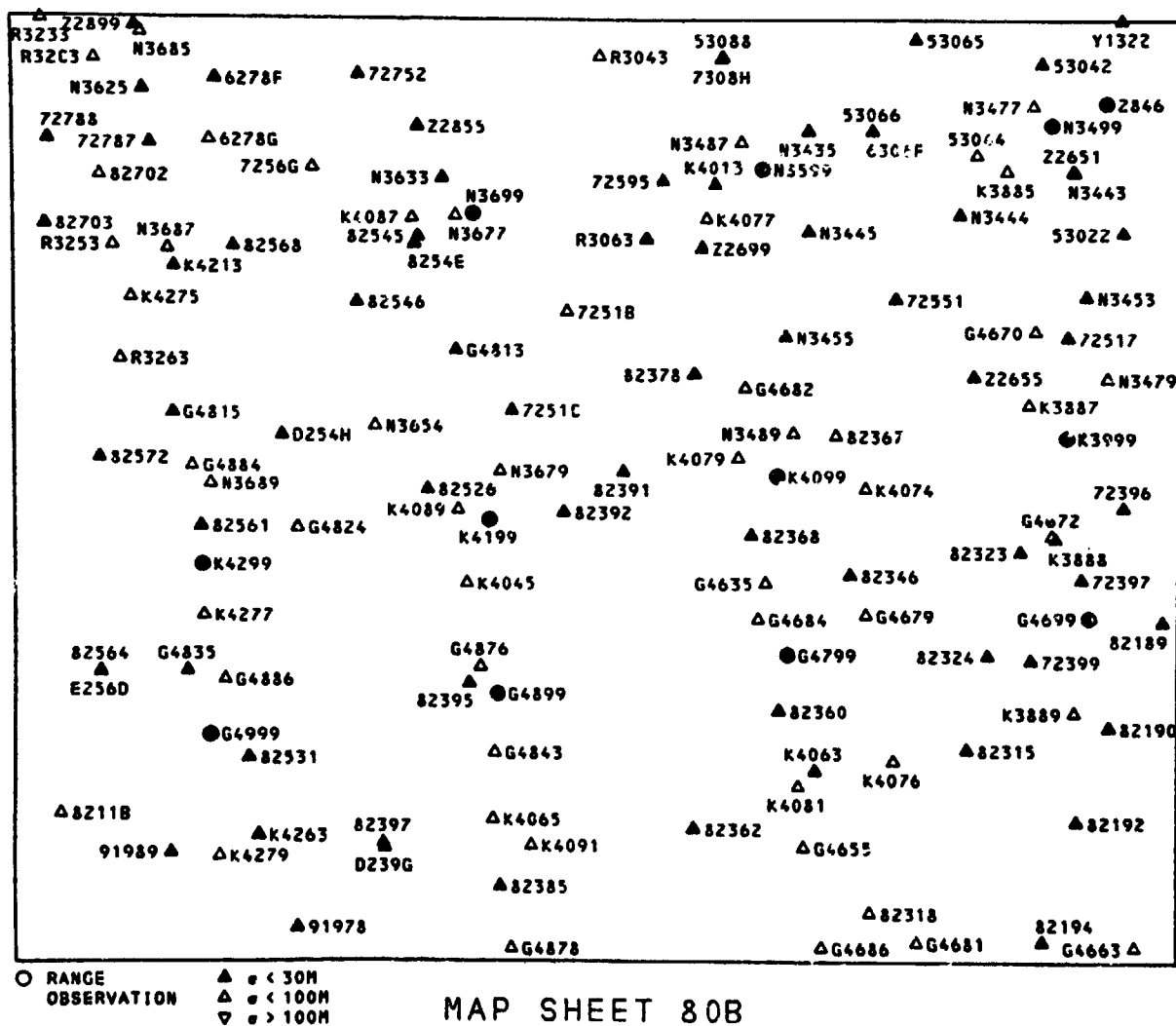
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K4479	X = 939674 Y = 1440600 Z = -229826	33 38 29	LAT. = - 7 36 39.2 LONG. = 56 53 3.8 RAD. = 1735262.4	3.8 3.1 41.0
82769	X = 934545 Y = 1461937 Z = -1616	25 24 18	LAT. = - 0 3 12.1 LONG. = 57 24 40.4 RAD. = 1735118.4	2.1 2.1 29.6
82760	X = 939182 Y = 1458534 Z = -43669	17 21 13	LAT. = - 1 26 31.2 LONG. = 57 13 17.8 RAD. = 1735307.5	1.5 2.0 21.5
E2738	X = 925263 Y = 1462650 Z = -126436	37 26 28	LAT. = - 4 10 41.6 LONG. = 57 40 58.1 RAD. = 1735350.9	3.1 3.0 38.7
9273C	X = 935545 Y = 1454578 Z = -145099	28 31 36	LAT. = - 4 47 44.8 LONG. = 57 15 7.1 RAD. = 1735539.1	4.0 2.3 39.2
82733	X = 935535 Y = 1454583 Z = -145115	16 17 11	LAT. = - 4 47 46.7 LONG. = 57 15 8.4 RAD. = 1735539.1	1.4 1.9 17.7
G5034	X = 929584 Y = 1452238 Z = -196414	29 46 20	LAT. = - 6 29 55.1 LONG. = 57 22 35.4 RAD. = 1735425.1	2.5 2.8 48.7
92226	X = 934574 Y = 1448979 Z = -197315	16 18 12	LAT. = - 6 31 42.0 LONG. = 57 10 42.5 RAD. = 1735482.5	1.4 1.9 17.6
82746	X = 912015 Y = 1476256 Z = -21484	24 20 18	LAT. = - 0 42 33.6 LONG. = 58 17 33.7 RAD. = 1735385.5	2.2 2.3 24.7
R3245	X = 907777 Y = 1477864 Z = -44296	22 26 17	LAT. = - 1 27 46.8 LONG. = 58 26 23.0 RAD. = 1734965.1	2.0 2.4 27.8
N3876	X = 897391 Y = 1483970 Z = -55840	29 37 23	LAT. = - 1 50 39.3 LONG. = 58 50 15.6 RAD. = 1735106.7	2.7 3.0 39.6
82728	X = 913656 Y = 1473637 Z = -63429	18 22 13	LAT. = - 2 5 42.1 LONG. = 58 12 3.8 RAD. = 1735049.1	1.5 1.9 23.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82782	X = 913637 Y = 1473844 Z = -63525	50 62 69	LAT. = - 2 5 52.9 LONG. = 58 12 18.7 RAD. = 1735218.5	7.9 3.5 76.1
N3877	X = 896272 Y = 1484130 Z = -67915	29 36 22	LAT. = - 2 14 35.6 LONG. = 58 52 19.4 RAD. = 1735096.1	2.6 3.0 39.6
N3899	X = 893887 Y = 1485181 Z = -75489	20 20 18	LAT. = - 2 29 36.9 LONG. = 58 57 27.0 RAD. = 1735078.4	2.2 2.5 18.3
K4285	X = 896668 Y = 1483339 Z = -81041	59 57 59	LAT. = - 2 40 36.9 LONG. = 58 50 50.3 RAD. = 1735187.4	6.6 4.1 76.6
R3265	X = 901199 Y = 1478821 Z = -104653	23 26 19	LAT. = - 3 27 29.5 LONG. = 58 38 30.2 RAD. = 1734942.1	2.4 2.4 27.7
G5013	X = 897247 Y = 1480556 Z = -115168	22 25 19	LAT. = - 3 48 21.4 LONG. = 58 46 59.8 RAD. = 1735039.9	2.2 2.4 26.5
82709	X = 898991 Y = 1477979 Z = -134561	21 27 18	LAT. = - 4 26 52.0 LONG. = 58 41 22.7 RAD. = 1735140.8	2.0 2.4 27.7
D270J	X = 899060 Y = 1477974 Z = -134636	34 32 16	LAT. = - 4 27 .6 LONG. = 58 41 15.4 RAD. = 1735178.6	2.1 2.5 40.8
E270J	X = 898889 Y = 1477841 Z = -136064	24 19 19	LAT. = - 4 29 51.7 LONG. = 58 41 24.6 RAD. = 1735087.6	2.2 2.3 24.1
E233D	X = 901260 Y = 1476320 Z = -136994	23 19 19	LAT. = - 4 31 42.6 LONG. = 58 35 48.8 RAD. = 1735096.2	2.2 2.3 24.0
82711	X = 914442 Y = 1465808 Z = -168373	18 28 19	LAT. = - 5 33 58.8 LONG. = 58 2 31.5 RAD. = 1735841.3	2.4 2.5 24.4
92147	X = 893902 Y = 1473204 Z = -208805	18 21 13	LAT. = - 6 54 32.5 LONG. = 58 45 6.1 RAD. = 1735796.5	1.5 2.0 21.5

TERRAIN POINTS ON MAP SHEET 80A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82714	X = 886424 Y = 1490885 Z = -55167	37 29 24	LAT. = - 1 49 18.2 LONG. = 59 15 57.2 RAD. = 1735375.8	2.7 2.9 40.4
N3843	X = 889195 Y = 1486905 Z = -93336	22 24 17	LAT. = - 3 5 1.5 LONG. = 59 7 11.4 RAD. = 1735011.4	2.0 2.4 25.8
82707	X = 878548 Y = 1492560 Z = -105717	16 18 11	LAT. = - 3 29 34.8 LONG. = 59 31 5.4 RAD. = 1735153.1	1.3 1.8 18.4
N3879	X = 889089 Y = 1482972 Z = -143026	31 37 29	LAT. = - 4 43 43.2 LONG. = 59 3 21.5 RAD. = 1734975.6	3.7 3.0 39.7
K4287	X = 889224 Y = 1482787 Z = -145353	62 56 29	LAT. = - 4 48 19.8 LONG. = 59 2 56.3 RAD. = 1735080.7	3.2 4.3 76.5
K4399	X = 887015 Y = 1483743 Z = -150138	32 38 28	LAT. = - 4 57 49.7 LONG. = 59 7 41.0 RAD. = 1735175.0	3.3 3.6 40.1
R4399	X = 887114 Y = 1483586 Z = -150142	31 37 31	LAT. = - 4 57 51.0 LONG. = 59 7 21.3 RAD. = 1735091.0	3.9 3.0 39.7
92145	X = 877023 Y = 1486662 Z = -178464	15 16 11	LAT. = - 5 54 10.8 LONG. = 59 27 44.9 RAD. = 1735276.4	1.3 1.8 16.2
G5099	X = 883553 Y = 1481346 Z = -191508	22 20 18	LAT. = - 6 20 8.2 LONG. = 59 11 9.3 RAD. = 1735433.1	2.2 2.6 19.5
K4289	X = 878245 Y = 1482472 Z = -218009	68 56 41	LAT. = - 7 12 39.1 LONG. = 59 21 24.1 RAD. = 1736826.0	5.8 4.8 74.5
92125	X = 870296 Y = 1485312 Z = -223987	27 31 25	LAT. = - 7 24 47.5 LONG. = 59 37 57.0 RAD. = 1736011.9	2.6 2.3 38.8
92126	X = 875440 Y = 1480176 Z = -235340	16 18 12	LAT. = - 7 47 33.2 LONG. = 59 23 53.1 RAD. = 1735713.4	1.4 1.9 18.1



TERRAIN POINTS ON MAP SHEET 80B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R3233	X = 861087 Y = 1506959 Z = -576	24 31 20	LAT. = - 0 1 8.5 LONG. = 60 15 21.7 RAD. = 1735625.3	2.4 2.5 33.0
R32C3	X = 849526 Y = 1513919 Z = -10670	61 54 26	LAT. = - 0 21 7.7 LONG. = 60 42 4.7 RAD. = 1736018.5	3.1 4.3 12.8
72788	X = 859929 Y = 1507530 Z = -31062	18 26 17	LAT. = - 1 1 31.2 LONG. = 60 17 54.9 RAD. = 1735825.2	2.0 2.1 25.9
82702	X = 848060 Y = 1513821 Z = -40389	41 29 20	LAT. = - 1 20 .3 LONG. = 60 44 31.0 RAD. = 1735652.6	2.3 3.3 41.8
82703	X = 860274 Y = 1506350 Z = -52939	19 18 14	LAT. = - 1 44 52.8 LONG. = 60 16 9.7 RAD. = 1735501.0	1.6 2.0 20.6
R3253	X = 844864 Y = 1515003 Z = -58275	51 40 23	LAT. = - 1 50 26.7 LONG. = 60 51 11.2 RAD. = 1735633.8	2.8 3.9 55.5
R3263	X = 842708 Y = 1514604 Z = -87446	52 41 30	LAT. = - 2 53 17.6 LONG. = 60 54 32.2 RAD. = 1735462.2	3.8 4.0 55.3
82572	X = 846739 Y = 1510407 Z = -112800	17 20 12	LAT. = - 3 43 37.9 LONG. = 60 43 29.6 RAD. = 1735229.3	1.4 1.8 21.1
82564	X = 844679 Y = 1507175 Z = -167711	15 16 11	LAT. = - 5 32 39.6 LONG. = 60 43 55.4 RAD. = 1735853.6	1.3 1.8 16.2
E2560	X = 844820 Y = 1507349 Z = -167870	42 24 28	LAT. = - 5 32 55.9 LONG. = 60 43 50.9 RAD. = 1736088.5	3.0 3.7 39.8
8211B	X = 852279 Y = 1499739 Z = -204078	23 41 30	LAT. = - 6 44 49.6 LONG. = 60 23 27.9 RAD. = 1737021.2	4.0 2.3 39.4
22899	X = 840247 Y = 1518863 Z = -2283	14 20 15	LAT. = - 0 4 31.3 LONG. = 61 2 53.8 RAD. = 1735789.2	1.7 1.9 18.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3685	X = 838819 Y = 1519503 Z = -3869	26 38 29	LAT. = - 0 7 39.8 LONG. = 61 5 59.1 RAD. = 1735661.3	3.4 3.0 39.0
6278F	X = 822001 Y = 1528469 Z = -15639	16 24 16	LAT. = - 0 30 58.6 LONG. = 61 43 44.1 RAD. = 1735554.3	1.9 2.1 23.2
N3625	X = 838440 Y = 1519466 Z = -18398	22 27 17	LAT. = - 0 36 26.6 LONG. = 61 6 36.5 RAD. = 1735539.2	2.0 2.4 28.0
6278G	X = 823366 Y = 1527903 Z = -31296	23 36 32	LAT. = - 1 1 58.9 LONG. = 61 40 49.4 RAD. = 1735914.3	3.9 2.1 38.0
72787	X = 836737 Y = 1520179 Z = -32098	14 17 12	LAT. = - 1 3 35.0 LONG. = 61 10 14.7 RAD. = 1735541.3	1.4 1.7 16.2
82568	X = 817678 Y = 1530165 Z = -58425	15 19 12	LAT. = - 1 55 43.4 LONG. = 61 52 52.3 RAD. = 1735919.1	1.5 1.9 18.2
N3687	X = 832418 Y = 1521692 Z = -59063	27 37 21	LAT. = - 1 57 1.0 LONG. = 61 19 11.3 RAD. = 1735497.9	2.5 2.9 39.1
K4213	X = 830911 Y = 1522231 Z = -63697	22 26 20	LAT. = - 2 6 12.5 LONG. = 61 22 19.4 RAD. = 1735413.0	2.4 2.5 27.2
K4275	X = 840580 Y = 1516707 Z = -71731	30 40 36	LAT. = - 2 22 7.5 LONG. = 61 0 15.0 RAD. = 1735546.5	4.1 3.6 41.0
G4815	X = 830512 Y = 1520271 Z = -101163	20 26 19	LAT. = - 3 20 31.6 LONG. = 61 21 9.2 RAD. = 1735283.1	2.1 2.4 25.4
G4884	X = 825570 Y = 1521839 Z = -114814	29 79 54	LAT. = - 3 47 38.4 LONG. = 61 31 15.5 RAD. = 1735149.1	6.0 4.7 77.4
N3689	X = 821338 Y = 1523900 Z = -119438	29 37 27	LAT. = - 3 56 48.4 LONG. = 61 40 35.8 RAD. = 1735261.8	3.4 2.9 39.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82561	X = 823213 Y = 1522204 Z = -130397	16 18 12	LAT. = - 4 18 32.8 LONG. = 61 35 43.1 RAD. = 1735450.4	1.4 1.8 18.9
K4299	X = 822767 Y = 1522041 Z = -140236	19 20 17	LAT. = - 4 38 1.8 LONG. = 61 36 20.7 RAD. = 1735863.1	2.0 2.4 19.2
K4277	X = 821803 Y = 1521149 Z = -153255	32 39 26	LAT. = - 5 3 55.8 LONG. = 61 37 11.3 RAD. = 1735724.8	3.1 3.5 40.9
G4835	X = 824866 Y = 1517830 Z = -167452	22 28 17	LAT. = - 5 32 11.7 LONG. = 61 28 41.2 RAD. = 1735584.2	2.0 2.4 29.7
G4886	X = 816317 Y = 1522338 Z = -169724	31 78 29	LAT. = - 5 36 41.6 LONG. = 61 47 55.1 RAD. = 1735711.1	3.2 4.3 76.9
G4999	X = 819361 Y = 1519813 Z = -183903	21 20 18	LAT. = - 6 4 46.9 LONG. = 61 40 12.1 RAD. = 1736376.6	2.1 2.5 19.0
91989	X = 825993 Y = 1510457 Z = -213724	15 16 11	LAT. = - 7 4 36.6 LONG. = 61 19 40.7 RAD. = 1734768.3	1.3 1.6 16.3
K4279	X = 815113 Y = 1516559 Z = -214717	34 41 33	LAT. = - 7 6 31.2 LONG. = 61 44 35.1 RAD. = 1735069.2	4.3 3.5 41.2
72752	X = 789550 Y = 1546608 Z = -14431	16 24 13	LAT. = - 0 28 34.1 LONG. = 62 57 19.8 RAD. = 1736546.7	1.6 1.9 24.5
7256G	X = 799820 Y = 1540416 Z = -38199	17 44 17	LAT. = - 1 15 38.8 LONG. = 62 33 38.2 RAD. = 1736103.0	2.1 3.1 38.7
82546	X = 789523 Y = 1545453 Z = -72757	16 17 13	LAT. = - 2 24 2.4 LONG. = 62 56 20.2 RAD. = 1736969.7	1.5 1.8 18.1
0254H	X = 805315 Y = 1533420 Z = -106963	22 20 17	LAT. = - 3 32 2.0 LONG. = 62 17 33.5 RAD. = 1735324.1	2.0 2.2 24.3

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4824	X = 800947 Y = 1533719 Z = -130704	21 33 18	LAT. = - 4 19 11.7 LONG. = 62 25 31.0 RAD. = 1735193.3	2.1 2.5 33.5
82531	X = 810112 Y = 1523653 Z = -189772	15 17 11	LAT. = - 6 16 32.7 LONG. = 62 0 3.0 RAD. = 1736033.9	1.3 1.8 17.3
K4263	X = 807319 Y = 1523414 Z = -209753	24 28 18	LAT. = - 6 56 11.2 LONG. = 62 4 44.7 RAD. = 1736821.7	2.4 2.4 29.3
91978	X = 796174 Y = 1523617 Z = -233073	14 16 11	LAT. = - 7 43 15.6 LONG. = 62 24 37.6 RAD. = 1734826.8	1.3 1.8 16.0
Z2855	X = 775335 Y = 1552430 Z = -27589	14 20 14	LAT. = - 0 54 39.2 LONG. = 63 27 39.4 RAD. = 1735495.7	1.6 1.8 18.5
N3633	X = 769385 Y = 1555088 Z = -40805	18 23 15	LAT. = - 1 20 50.1 LONG. = 63 40 33.4 RAD. = 1735487.6	1.8 2.2 22.7
N3699	X = 762215 Y = 1558449 Z = -49877	18 18 16	LAT. = - 1 38 48.5 LONG. = 63 56 14.6 RAD. = 1735575.9	1.9 2.3 17.1
N3677	X = 766228 Y = 1556457 Z = -50511	26 38 21	LAT. = - 1 40 3.9 LONG. = 63 47 22.0 RAD. = 1735573.7	2.5 2.9 39.0
K4087	X = 776651 Y = 1551895 Z = -51072	26 84 57	LAT. = - 1 41 8.6 LONG. = 63 24 51.0 RAD. = 1736137.6	6.5 5.6 75.5
82545	X = 775399 Y = 1552655 Z = -55874	22 25 18	LAT. = - 1 50 38.3 LONG. = 63 27 44.5 RAD. = 1736405.4	2.1 2.5 25.6
8254E	X = 776330 Y = 1552598 Z = -57794	22 20 19	LAT. = - 1 54 24.8 LONG. = 63 26 2.5 RAD. = 1736833.2	2.2 2.2 24.3
G4813	X = 765618 Y = 1555463 Z = -85021	23 27 22	LAT. = - 2 48 27.3 LONG. = 63 47 34.9 RAD. = 1735760.4	2.5 2.5 29.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3654	X = 783882 Y = 1544779 Z = -104561	28 39 23	LAT. = - 3 27 15.1 LONG. = 63 5 41.9 RAD. = 1735438.3	2.7 2.9 41.7
82526	X = 771572 Y = 1550671 Z = -120888	21 23 16	LAT. = - 3 59 33.1 LONG. = 63 32 46.7 RAD. = 1736236.8	1.8 2.0 27.1
K4089	X = 764226 Y = 1553888 Z = -126126	27 81 26	LAT. = - 4 9 57.0 LONG. = 63 48 40.8 RAD. = 1736236.6	3.1 4.8 75.1
K4045	X = 761302 Y = 1553030 Z = -144980	24 31 18	LAT. = - 4 47 29.5 LONG. = 63 53 8.6 RAD. = 1735656.5	2.1 2.5 33.5
82395	X = 759696 Y = 1551039 Z = -170611	16 18 12	LAT. = - 5 38 30.0 LONG. = 63 54 16.1 RAD. = 1735502.2	1.3 1.8 19.0
82397	X = 778277 Y = 1537656 Z = -211655	15 16 11	LAT. = - 7 0 5.8 LONG. = 63 9 14.3 RAD. = 1736346.1	1.3 1.8 16.1
D2396	X = 777843 Y = 1537707 Z = -212815	18 23 13	LAT. = - 7 2 24.6 LONG. = 63 10 3.3 RAD. = 1736338.9	1.6 2.0 24.1
7251B	X = 740191 Y = 1569353 Z = -75279	17 43 17	LAT. = - 2 29 3.1 LONG. = 64 44 56.1 RAD. = 1736783.4	2.1 3.1 38.2
7251C	X = 752436 Y = 1561720 Z = -100579	17 25 19	LAT. = - 3 19 14.1 LONG. = 64 16 30.9 RAD. = 1736446.1	2.3 2.3 23.4
N3679	X = 754904 Y = 1559650 Z = -116231	28 37 28	LAT. = - 3 50 15.4 LONG. = 64 10 19.3 RAD. = 1736633.8	3.5 2.8 38.4
82392	X = 739627 Y = 1566183 Z = -126887	17 17 14	LAT. = - 4 11 23.7 LONG. = 64 43 15.2 RAD. = 1736686.2	1.6 1.9 19.1
K4199	X = 756934 Y = 1557344 Z = -128692	18 17 16	LAT. = - 4 15 1.8 LONG. = 64 4 42.0 RAD. = 1736326.9	1.9 2.2 16.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4876	X = 757130 Y = 1552537 Z = -166349	28 40 23	LAT. = - 5 30 3.3 LONG. = 64 0 10.0 RAD. = 1735306.9	2.7 3.0 42.4
G4899	X = 752927 Y = 1553820 Z = -173377	20 20 17	LAT. = - 5 44 2.6 LONG. = 64 8 48.5 RAD. = 1735314.5	2.0 2.4 19.2
G4843	X = 753018 Y = 1552176 Z = -188399	23 30 19	LAT. = - 6 13 56.1 LONG. = 64 7 13.0 RAD. = 1735448.2	2.3 2.5 30.3
K4065	X = 752963 Y = 1550841 Z = -205522	23 30 21	LAT. = - 6 47 54.3 LONG. = 64 6 9.1 RAD. = 1736174.1	2.7 2.5 29.9
K4091	X = 743713 Y = 1554842 Z = -212268	32 81 55	LAT. = - 7 1 15.7 LONG. = 64 26 14.1 RAD. = 1736576.9	7.6 3.9 74.2
82385	X = 750315 Y = 1549655 Z = -222626	15 18 12	LAT. = - 7 22 3.4 LONG. = 64 9 52.5 RAD. = 1736077.2	1.4 1.8 18.3
G4878	X = 746625 Y = 1548732 Z = -238371	30 41 28	LAT. = - 7 53 36.1 LONG. = 64 15 42.7 RAD. = 1735753.9	3.7 3.0 42.1
R3043	X = 732747 Y = 1573510 Z = -9510	21 31 17	LAT. = - 0 18 50.0 LONG. = 65 1 46.9 RAD. = 1735783.3	2.0 2.4 31.5
72595	X = 717999 Y = 1580896 Z = -41679	13 20 11	LAT. = - 1 22 30.3 LONG. = 65 34 25.6 RAD. = 1736804.5	1.3 1.7 19.3
K4077	X = 707361 Y = 1584911 Z = -51403	25 40 32	LAT. = - 1 41 47.1 LONG. = 65 56 54.0 RAD. = 1736359.3	3.7 3.0 40.1
R3063	X = 721172 Y = 1577780 Z = -56570	19 23 16	LAT. = - 1 52 3.7 LONG. = 65 26 8.8 RAD. = 1735706.8	1.9 2.1 23.9
22699	X = 708822 Y = 1585165 Z = -58971	13 19 13	LAT. = - 1 56 42.2 LONG. = 65 54 27.8 RAD. = 1737428.0	1.6 1.7 17.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82378	X = 709494 Y = 1582006 Z = -91356	19 20 15	LAT. = - 3 0 58.2 LONG. = 65 50 41.4 RAD. = 1736223.3	1.8 2.2 20.6
82391	X = 725963 Y = 1573672 Z = -116502	21 21 18	LAT. = - 3 50 45.1 LONG. = 65 14 7.0 RAD. = 1736961.9	2.1 2.2 23.8
82362	X = 705397 Y = 1572353 Z = -207877	15 18 11	LAT. = - 6 52 41.0 LONG. = 65 50 16.1 RAD. = 1735826.0	1.3 1.7 18.7
53088	X = 703462 Y = 1586872 Z = -9783	14 22 13	LAT. = - 0 19 22.5 LONG. = 66 5 32.1 RAD. = 1735833.2	1.6 1.9 20.9
7308H	X = 703727 Y = 1586702 Z = -10105	18 22 13	LAT. = - 0 20 .8 LONG. = 66 4 55.1 RAD. = 1735786.8	1.5 1.9 23.3
N3435	X = 683044 Y = 1595381 Z = -28719	21 29 17	LAT. = - 0 56 53.1 LONG. = 66 49 20.5 RAD. = 1735688.6	2.0 2.3 30.0
N3487	X = 699369 Y = 1589268 Z = -31767	25 36 21	LAT. = - 1 2 53.2 LONG. = 66 14 52.0 RAD. = 1736 14.6	2.5 2.8 37.5
N3599	X = 694262 Y = 1591237 Z = -38503	18 17 16	LAT. = - 1 16 13.8 LONG. = 66 25 41.5 RAD. = 1736524 2	1.9 2.2 16.5
K4013	X = 705960 Y = 1587370 Z = -42516	17 23 15	LAT. = - 1 24 6.9 LONG. = 66 1 24.9 RAD. = 1737795.1	1.8 2.1 22.6
N3445	X = 683363 Y = 1596273 Z = -54665	20 24 17	LAT. = - 1 48 11.5 LONG. = 66 49 27.4 RAD. = 1737256.9	2.0 2.2 25.3
N3455	X = 688016 Y = 1591893 Z = -81725	18 30 17	LAT. = - 2 41 53.0 LONG. = 66 37 33.6 RAD. = 1736135.8	2.0 2.4 28.6
G4682	X = 696722 Y = 1585657 Z = -94775	27 41 34	LAT. = - 3 7 55.7 LONG. = 66 16 47.3 RAD. = 1734563.7	3.9 3.0 42.7

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3489	X = 685084 Y = 1590313 Z = -106392	28 37 29	LAT. = - 3 30 57.3 LONG. = 66 41 39.6 RAD. = 1734864.1	3.6 2.8 38.4
K4079	X = 698196 Y = 1584749 Z = -112911	26 40 22	LAT. = - 3 43 49.6 LONG. = 66 13 22.9 RAD. = 1735412.4	2.6 2.9 40.6
K4099	X = 688493 Y = 1587714 Z = -117300	17 16 15	LAT. = - 3 52 39.5 LONG. = 66 33 23.8 RAD. = 1734536.4	1.8 2.1 16.1
82368	X = 694242 Y = 1584131 Z = -132605	14 17 12	LAT. = - 4 23 3.3 LONG. = 66 20 4.9 RAD. = 1734654.8	1.4 1.7 16.6
G4635	X = 690356 Y = 1584645 Z = -144922	27 32 20	LAT. = - 4 47 33.5 LONG. = 66 27 34.2 RAD. = 1734558.8	2.4 2.7 35.9
G4684	X = 691851 Y = 1583244 Z = -154113	27 41 23	LAT. = - 5 5 49.4 LONG. = 66 23 43.7 RAD. = 1734667.1	2.7 3.0 42.5
G4799	X = 684748 Y = 1585898 Z = -163233	22 20 20	LAT. = - 5 23 53.4 LONG. = 66 38 47.8 RAD. = 1735107.2	2.3 2.6 19.9
82360	X = 686584 Y = 1584459 Z = -177674	15 19 14	LAT. = - 5 52 28.4 LONG. = 66 34 18.4 RAD. = 1735936.3	1.6 1.7 20.3
K4063	X = 677495 Y = 1586927 Z = -193046	22 28 19	LAT. = - 6 23 1.1 LONG. = 66 52 52.5 RAD. = 1736261.0	2.4 2.3 28.9
K4081	X = 681299 Y = 1584825 Z = -197020	29 40 31	LAT. = - 6 30 55.9 LONG. = 66 44 15.5 RAD. = 1736276.4	4.1 2.9 40.1
G4655	X = 678820 Y = 1582503 Z = -212429	29 83 37	LAT. = - 7 1 58.0 LONG. = 66 46 58.5 RAD. = 1735003.9	5.2 4.3 76.7
G4686	X = 673195 Y = 1581274 Z = -237910	30 42 30	LAT. = - 7 52 53.2 LONG. = 66 56 20.8 RAD. = 1734998.8	4.0 3.0 42.3

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53065	X = 657463 Y = 1606709 Z = -5041	17 30 16	LAT. = - 0 9 58.9 LONG. = 67 44 44.5 RAD. = 1736029.2	1.9 2.3 28.7
53066	X = 667784 Y = 1601966 Z = -28699	12 18 11	LAT. = - 0 56 50.4 LONG. = 67 22 15.8 RAD. = 1735815.1	1.3 1.6 17.3
6306F	X = 667681 Y = 1602024 Z = -28770	16 23 13	LAT. = - 0 56 58.8 LONG. = 67 22 29.7 RAD. = 1735830.6	1.5 1.8 23.9
72551	X = 661012 Y = 1601720 Z = -71943	16 23 13	LAT. = - 2 22 39.1 LONG. = 67 34 28.6 RAD. = 1734249.5	1.5 1.9 23.2
82367	X = 674847 Y = 1594497 Z = -107053	16 34 19	LAT. = - 3 32 16.9 LONG. = 67 3 36.8 RAD. = 1734733.8	2.4 2.3 31.2
K4074	X = 667486 Y = 1596969 Z = -120699	33 75 26	LAT. = - 3 59 20.4 LONG. = 67 18 59.5 RAD. = 1735055.3	3.1 3.5 75.7
82346	X = 670304 Y = 1593468 Z = -142802	15 19 13	LAT. = - 4 43 20.1 LONG. = 67 11 8.0 RAD. = 1734600.7	1.5 1.8 18.9
G4679	X = 666371 Y = 1594667 Z = -153054	32 75 28	LAT. = - 5 3 38.8 LONG. = 67 19 16.2 RAD. = 1735061.6	3.2 3.7 76.2
K4076	X = 658616 Y = 1594783 Z = -190567	36 76 50	LAT. = - 6 18 9.2 LONG. = 67 33 37.0 RAD. = 1735921.6	6.8 3.4 74.7
82318	X = 662482 Y = 1588020 Z = -229189	23 36 16	LAT. = - 7 35 13.2 LONG. = 67 21 19.2 RAD. = 1735862.0	1.8 2.1 39.5
G4681	X = 650958 Y = 1592334 Z = -236725	38 76 47	LAT. = - 7 50 7.0 LONG. = 67 45 53.6 RAD. = 1736466.0	6.7 3.4 74.3
53042	X = 627324 Y = 1619846 Z = -11288	15 25 14	LAT. = - 0 22 20.4 LONG. = 68 49 47.7 RAD. = 1737113.7	1.6 1.8 24.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

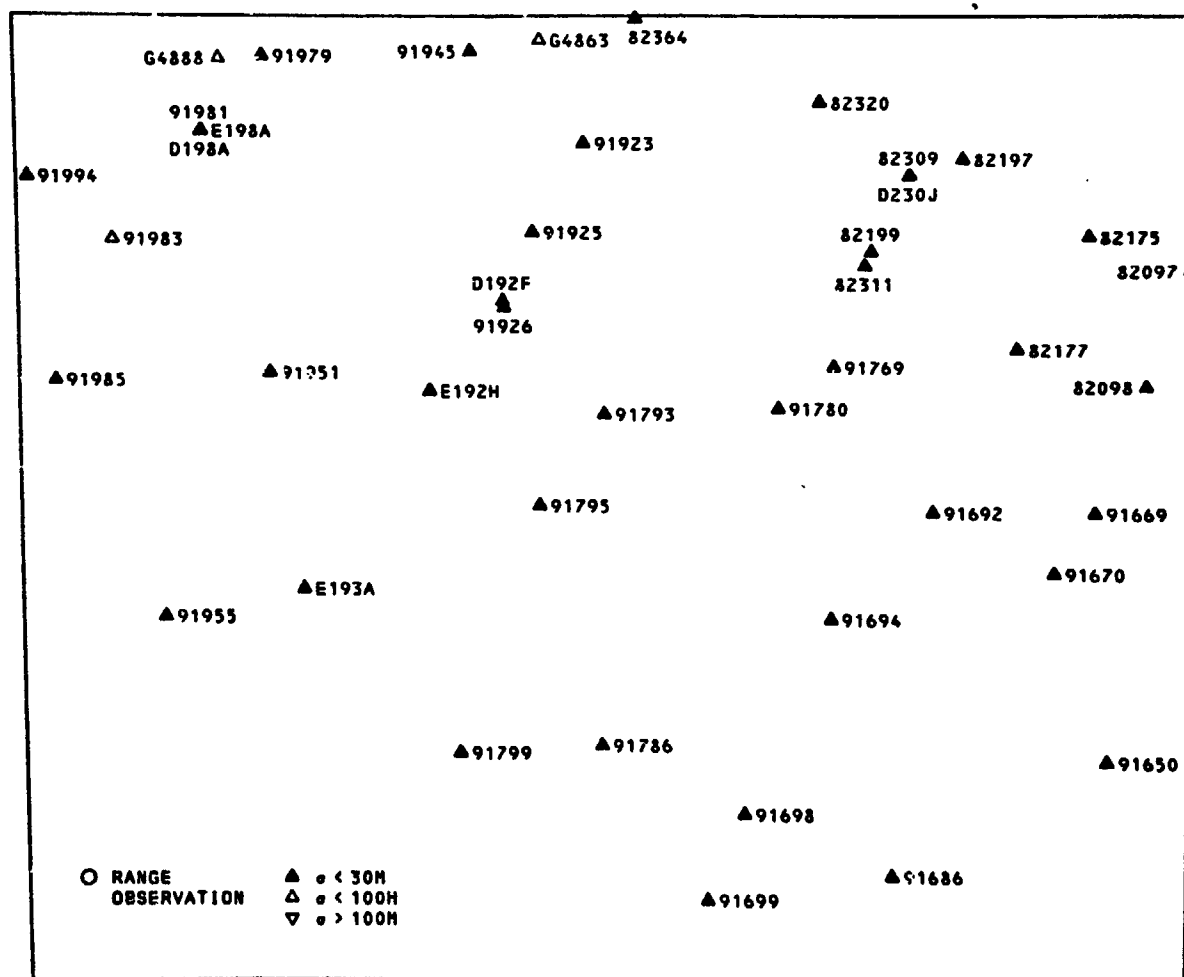
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3477	X = 629295 Y = 1618921 Z = -22227	24 36 21	LAT. = - 0 43 59.3 LONG. = 68 45 29.8 RAD. = 1737070.2	2.5 2.7 37.4
N3499	X = 624870 Y = 1620621 Z = -27048	19 18 18	LAT. = - 0 53 31.8 LONG. = 68 54 52.7 RAD. = 1737126.2	2.2 2.4 17.3
53044	X = 642782 Y = 1613242 Z = -34867	18 40 21	LAT. = - 1 9 .8 LONG. = 68 16 32.3 RAD. = 1736932.3	2.6 3.1 35.6
K3885	X = 635743 Y = 1616380 Z = -39043	24 39 32	LAT. = - 1 17 15.8 LONG. = 68 31 46.7 RAD. = 1737348.1	3.7 2.9 39.8
N3444	X = 645644 Y = 1608297 Z = -50223	19 22 16	LAT. = - 1 39 35.8 LONG. = 68 7 38.0 RAD. = 1733781.7	1.9 2.1 23.6
G4670	X = 628206 Y = 1617665 Z = -80314	48 62 60	LAT. = - 2 38 59.3 LONG. = 68 46 36.3 RAD. = 1737220.1	6.8 3.8 73.9
Z2655	X = 642685 Y = 1610986 Z = -91915	13 19 13	LAT. = - 3 2 .5 LONG. = 68 15 3.6 RAD. = 1736884.3	1.6 1.7 17.8
K3887	X = 628995 Y = 1615149 Z = -99104	25 40 22	LAT. = - 3 16 20.7 LONG. = 68 43 20.4 RAD. = 1736134.5	2.6 2.8 40.5
G4672	X = 622036 Y = 1613828 Z = -132651	51 65 35	LAT. = - 4 23 8.9 LONG. = 68 55 16.6 RAD. = 1734636.7	3.8 4.0 76.6
K3888	X = 621069 Y = 1614129 Z = -133429	26 40 23	LAT. = - 4 24 41.8 LONG. = 68 57 17.1 RAD. = 1734630.0	2.8 2.8 41.3
82323	X = 629735 Y = 1611134 Z = -136816	14 17 13	LAT. = - 4 31 20.1 LONG. = 68 39 4.4 RAD. = 1735234.3	1.5 1.7 16.4
82324	X = 637128 Y = 1607017 Z = -163558	16 24 15	LAT. = - 5 24 17.4 LONG. = 68 22 24.0 RAD. = 1736429.3	1.8 2.1 23.2

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72399	X = 626630 Y = 1610894 Z = -164766	14 25 15	LAT. = - 5 26 42.8 LONG. = 68 44 39.1 RAD. = 1736315.7	1.9 2.0 22.8
82315	X = 641295 Y = 1602989 Z = -187637	20 22 17	LAT. = - 6 12 9.2 LONG. = 68 11 43.9 RAD. = 1736675.5	1.8 1.9 26.4
82194	X = 620635 Y = 1604237 Z = -236492	14 18 12	LAT. = - 7 49 42.0 LONG. = 68 50 59.7 RAD. = 1736287.0	1.3 1.6 18.6
Y1322	X = 607965 Y = 1626767 Z = -85	12 15 9	LAT. = - 0 0 10.2 LONG. = 69 30 28.8 RAD. = 1736661.4	1.1 1.5 14.6
2846	X = 611811 Y = 1625889 Z = -21361	13 13 10	LAT. = - 0 42 16.2 LONG. = 69 22 44.5 RAD. = 1737321.2	1.2 1.6 12.8
Z2651	X = 619520 Y = 1621731 Z = -39194	13 18 11	LAT. = - 1 17 36.0 LONG. = 69 5 33.2 RAD. = 1736476.8	1.3 1.6 17.5
N3443	X = 619170 Y = 1621927 Z = -39316	19 21 15	LAT. = - 1 17 50.3 LONG. = 69 6 20.4 RAD. = 1736538.5	1.8 2.1 22.6
53022	X = 607523 Y = 1626652 Z = -54881	13 18 11	LAT. = - 1 48 37.0 LONG. = 69 31 13.1 RAD. = 1737266.1	1.3 1.6 17.5
N3453	X = 615451 Y = 1621035 Z = -71210	18 26 16	LAT. = - 2 21 6.2 LONG. = 69 12 35.9 RAD. = 1735397.3	1.9 2.2 25.4
72517	X = 620305 Y = 1620400 Z = -81838	16 23 15	LAT. = - 2 42 1.6 LONG. = 69 3 9.6 RAD. = 1737000.8	1.8 2.0 22.2
N3479	X = 610435 Y = 1623207 Z = -92292	28 36 28	LAT. = - 3 2 46.9 LONG. = 69 23 25.3 RAD. = 1736649.0	3.5 2.8 37.6
K3999	X = 619998 Y = 1619015 Z = -107443	22 17 19	LAT. = - 3 32 46.8 LONG. = 69 2 44.7 RAD. = 1736994.7	2.3 2.5 16.8

TERRAIN POINTS ON MAP SHEET 80B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
72396	X = 605902 Y = 1623327 Z = -125554	13 27 12	LAT. = - 4 8 40.1 LONG. = 69 31 55.5 RAD. = 1737259.6	1.5 2.0 24.7
72397	X = 614820 Y = 1616393 Z = -143877	14 20 13	LAT. = - 4 45 21.0 LONG. = 69 10 29.7 RAD. = 1735347.3	1.5 1.8 19.2
G4699	X = 612673 Y = 1616310 Z = -153607	23 20 19	LAT. = - 5 4 41.8 LONG. = 69 14 25.7 RAD. = 1735344.7	2.3 2.7 20.9
82189	X = 595323 Y = 1624418 Z = -154933	12 15 10	LAT. = - 5 7 2.5 LONG. = 69 52 22.5 RAD. = 1736993.7	1.2 1.5 14.7
K3889	X = 615431 Y = 1612894 Z = -177989	27 41 30	LAT. = - 5 53 11.7 LONG. = 69 6 52.8 RAD. = 1735471.9	3.9 2.9 40.8
82190	X = 606760 Y = 1615377 Z = -181654	13 16 11	LAT. = - 6 0 34.2 LONG. = 69 24 47.0 RAD. = 1735107.2	1.3 1.6 15.5
82192	X = 613874 Y = 1610632 Z = -205859	14 16 12	LAT. = - 6 48 38.5 LONG. = 69 8 10.4 RAD. = 1735901.7	1.4 1.6 17.4
G4663	X = 598308 Y = 1612295 Z = -237773	29 40 31	LAT. = - 7 52 18.9 LONG. = 69 38 26.0 RAD. = 1736088.1	4.2 2.9 39.4



MAP SHEET 80C

TERRAIN POINTS ON MAP SHEET 80C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91994	X = 852563 Y = 1482273 Z = -280908	16 23 12	LAT. = - 9 19 44.6 LONG. = 60 37.2 RAD. = 173289.2	1.5 2.0 22.6
91983	X = 832678 Y = 1490467 Z = -296376	19 31 16	LAT. = - 9 50 53.1 LONG. = 60 48 33.3 RAD. = 1732825.2	1.8 2.5 30.7
91985	X = 844426 Y = 1480885 Z = -331873	16 30 13	LAT. = -11 0 59.3 LONG. = 60 18 26.8 RAD. = 1736725.2	1.7 2.4 26.7
G4888	X = 812123 Y = 1509726 Z = -251696	33 89 47	LAT. = - 8 21 9.3 LONG. = 61 43 22.7 RAD. = 1732676.2	6.8 4.5 81.0
91981	X = 814933 Y = 1505298 Z = -269610	30 29 15	LAT. = - 8 57 3.4 LONG. = 61 34 11.7 RAD. = 1732837.8	1.6 2.4 37.3
E198A	X = 814896 Y = 1505272 Z = -269609	18 23 14	LAT. = - 8 57 4.0 LONG. = 61 34 14.1 RAD. = 1732797.7	1.6 2.1 24.0
D198A	X = 814925 Y = 1505236 Z = -269649	18 53 20	LAT. = - 8 57 9.0 LONG. = 61 34 9.0 RAD. = 1732786.5	3.0 4.0 42.5
91955	X = 814626 Y = 1482948 Z = -390024	17 26 16	LAT. = -12 58 50.9 LONG. = 61 13 7.5 RAD. = 1736338.1	2.1 2.3 23.3
91979	X = 802474 Y = 1515210 Z = -251050	18 19 14	LAT. = - 8 19 48.2 LONG. = 62 5 37.5 RAD. = 1732874.1	1.6 1.9 21.7
91951	X = 796822 Y = 1507488 Z = -330157	16 21 12	LAT. = -10 57 30.1 LONG. = 62 8 24.4 RAD. = 1736792.5	1.5 1.9 21.1
E193A	X = 784373 Y = 1501302 Z = -383309	16 26 16	LAT. = -12 45 3.3 LONG. = 62 24 52.7 RAD. = 1736685.4	2.2 2.2 22.9
91945	X = 757187 Y = 1543777 Z = -250000	15 16 12	LAT. = - 8 17 42.2 LONG. = 63 51 60.0 RAD. = 1737251.6	1.3 1.8 16.5

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
E192H	X = 760052 Y = 1524836 Z = -334653	17 23 13	LAT. = -11 6 45.2 LONG. = 63 30 22.0 RAD. = 1736316.4	1.6 2.0 23.0
91799	X = 744116 Y = 1509102 Z = -423119	16 26 15	LAT. = -14 6 55.7 LONG. = 63 45 10.0 RAD. = 1734972.3	2.1 2.2 23.5
G4863	X = 740901 Y = 1550063 Z = -247634	31 41 30	LAT. = - 8 12 7.3 LONG. = 64 27 11.1 RAD. = 1735786.1	4.0 3.0 42.1
91923	X = 729327 Y = 1551635 Z = -273361	14 15 10	LAT. = - 9 3 32.6 LONG. = 64 49 28.9 RAD. = 1736149.5	1.2 1.7 15.3
91925	X = 739176 Y = 1542122 Z = -295318	14 16 11	LAT. = - 9 47 51.6 LONG. = 64 23 25.7 RAD. = 1735434.8	1.3 1.7 16.3
D192F	X = 745145 Y = 1537209 Z = -312512	16 27 17	LAT. = -10 22 1.1 LONG. = 64 8 19.4 RAD. = 1736639.0	2.3 2.1 23.6
91926	X = 744646 Y = 1537021 Z = -314093	16 20 13	LAT. = -10 25 14.1 LONG. = 64 9 3.8 RAD. = 1736543.7	1.4 1.8 20.9
91793	X = 719340 Y = 1542619 Z = -340164	17 22 15	LAT. = -11 18 6.1 LONG. = 64 59 59.5 RAD. = 1735751.4	1.6 2.0 23.3
91795	X = 732456 Y = 1531843 Z = -362823	16 21 13	LAT. = -12 3 42.2 LONG. = 64 26 42.2 RAD. = 1736282.1	1.5 1.9 21.1
91786	X = 712229 Y = 1525366 Z = -421284	15 30 14	LAT. = -14 2 59.0 LONG. = 64 58 15.8 RAD. = 1735364.7	2.0 2.3 26.5
82364	X = 719319 Y = 1561338 Z = -242352	14 16 10	LAT. = - 8 1 28.6 LONG. = 65 13 50.9 RAD. = 1736067.7	1.2 1.7 15.5
91699	X = 684685 Y = 1529217 Z = -459453	15 26 15	LAT. = -15 20 4.5 LONG. = 65 52 48.8 RAD. = 1737353.4	2.2 2.1 22.3

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82320	X = 675368 Y = 1577773 Z = -263239	19 21 17	LAT. = - 8 43 12.4 LONG. = 66 49 35.7 RAD. = 1736313.1	1.8 2.0 24.0
91769	X = 666796 Y = 1567494 Z = -328434	14 17 12	LAT. = -10 54 47.5 LONG. = 66 57 20.2 RAD. = 1734797.6	1.4 1.7 16.9
91780	X = 679520 Y = 1561545 Z = -338993	14 17 11	LAT. = -11 15 28.3 LONG. = 66 28 53.2 RAD. = 1736423.6	1.3 1.7 16.7
91694	X = 662595 Y = 1556481 Z = -390759	15 21 12	LAT. = -13 0 24.6 LONG. = 66 56 25.9 RAD. = 1736190.4	1.4 1.8 20.6
91698	X = 678232 Y = 1537503 Z = -438516	14 22 13	LAT. = -14 37 30.9 LONG. = 66 11 47.4 RAD. = 1736724.2	1.8 1.9 20.4
82309	X = 653191 Y = 1583963 Z = -281285	14 19 12	LAT. = - 9 19 23.4 LONG. = 67 35 23.4 RAD. = 1736294.6	1.5 1.8 17.8
D230J	X = 653228 Y = 1583959 Z = -281308	18 23 15	LAT. = - 9 19 25.9 LONG. = 67 35 19.1 RAD. = 1736308.7	1.8 2.1 23.3
82199	X = 660962 Y = 1577821 Z = -300306	13 15 10	LAT. = - 9 57 24.3 LONG. = 67 16 14.8 RAD. = 1736828.8	1.2 1.6 15.2
82311	X = 661801 Y = 1575943 Z = -303645	17 26 17	LAT. = -10 4 24.0 LONG. = 67 13 13.9 RAD. = 1736023.5	2.2 2.3 22.9
91692	X = 641174 Y = 1571489 Z = -364508	14 17 11	LAT. = -12 7 15.2 LONG. = 67 48 15.6 RAD. = 1735956.9	1.3 1.7 16.9
91686	X = 641856 Y = 1547753 Z = -453309	14 23 13	LAT. = -15 8 18.5 LONG. = 67 28 54.1 RAD. = 1735802.2	1.8 1.8 20.8
82197	X = 640987 Y = 1589459 Z = -277219	13 16 11	LAT. = - 9 11 17.6 LONG. = 68 2 13.4 RAD. = 1736114.8	1.2 1.6 15.8

TERRAIN POINTS ON MAP SHEET 80C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82177	X = 624764	13	LAT. = -10 45 57.9	1.3
	Y = 1587543	16	LONG. = 68 31 5.9	1.6
	Z = -324401	11	RAD. = 1736622.8	15.9
91670	X = 611270	13	LAT. = -12 37 42.1	1.3
	Y = 1579899	17	LONG. = 68 50 54.0	1.6
	Z = -379541	11	RAD. = 1736025.2	16.9
82175	X = 609825	15	LAT. = - 9 49 45.8	1.4
	Y = 1598115	17	LONG. = 69 6 49.1	1.7
	Z = -296360	12	RAD. = 1735997.5	18.0
82097	X = 585597	13	LAT. = -10 6 42.5	1.3
	Y = 1606173	16	LONG. = 69 58 6.8	1.6
	Z = -304888	11	RAD. = 1736569.2	16.5
82098	X = 593925	12	LAT. = -11 4 20.8	1.2
	Y = 1598011	15	LONG. = 69 36 41.9	1.7
	Z = -333620	10	RAD. = 1737149.2	14.9
91669	X = 602938	13	LAT. = -12 7 26.0	1.4
	Y = 1586774	18	LONG. = 69 11 39.7	1.7
	Z = -364645	12	RAD. = 1736189.3	18.2
91650	X = 594400	14	LAT. = -14 11 22.8	1.4
	Y = 1574605	21	LONG. = 69 19 8.1	1.7
	Z = -425557	12	RAD. = 1736027.4	20.7

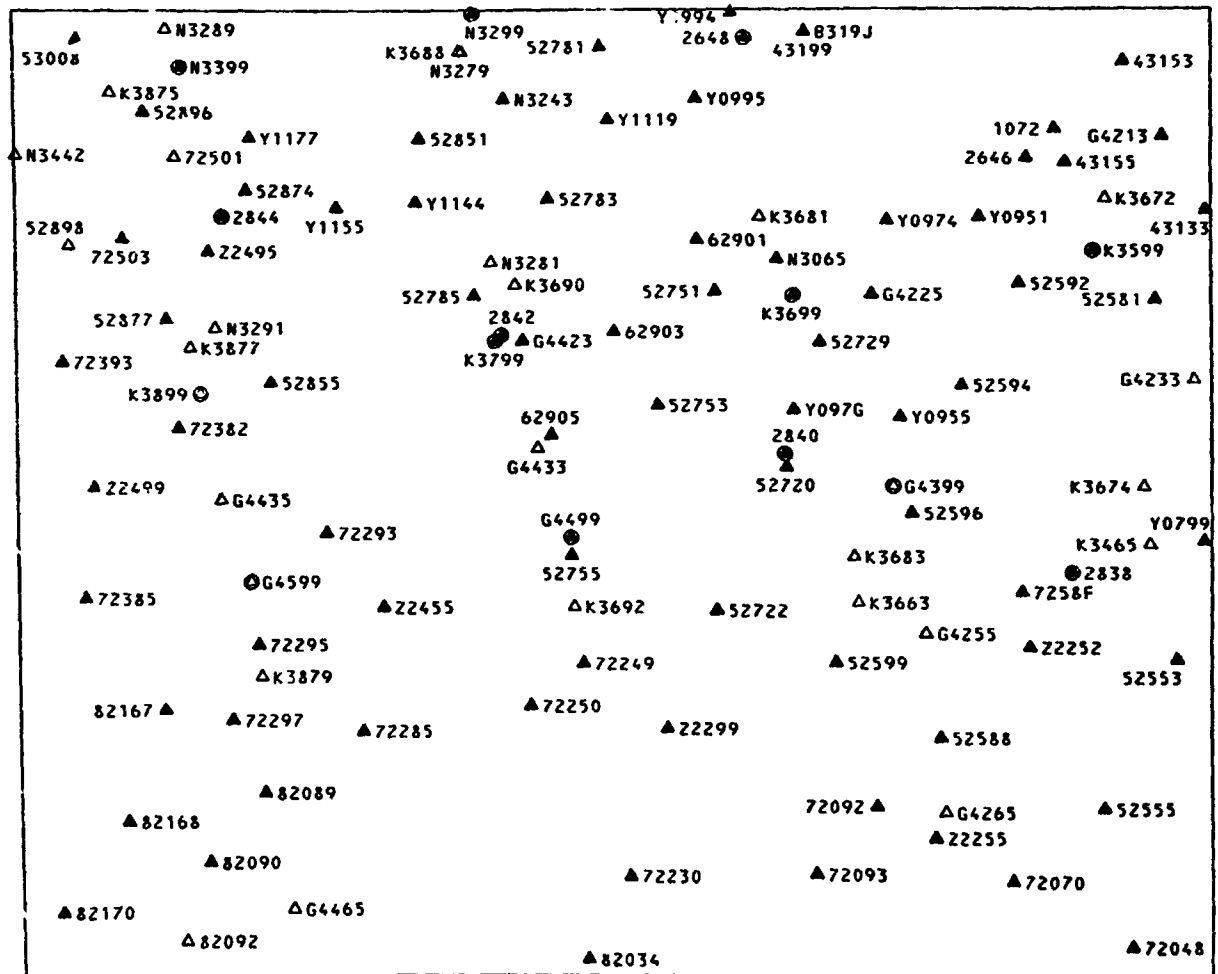
TERRAIN POINTS ON MAP SHEET 80D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G5265	X = 1058792 Y = 1345128 Z = -286446	36 38 29	LAT. = - 9 29 57.8 LONG. = 51 47 33.4 RAD. = 1735644.1	4.0 3.2 41.8
92299	X = 1053457 Y = 1356619 Z = -248857	19 26 16	LAT. = - 8 14 38.3 LONG. = 52 10 10.4 RAD. = 1735545.2	2.1 2.4 24.0
K4465	X = 1009110 Y = 1390649 Z = -243392	30 36 23	LAT. = - 8 3 45.4 LONG. = 54 2 2.0 RAD. = 1735352.3	3.1 2.8 38.3
K4489	X = 1000731 Y = 1395492 Z = -248392	40 79 51	LAT. = - 8 13 50.1 LONG. = 54 21 18.2 RAD. = 1735096.3	7.2 4.2 74.9
92254	X = 989696 Y = 1400763 Z = -264277	17 23 14	LAT. = - 8 45 34.7 LONG. = 54 45 26.1 RAD. = 1735360.7	1.8 2.1 21.7
92255	X = 995978 Y = 1392408 Z = -285465	18 23 15	LAT. = - 9 28 .8 LONG. = 54 25 27.0 RAD. = 1735587.3	2.0 2.2 21.9
92232	X = 966586 Y = 1413824 Z = -280199	17 23 14	LAT. = - 9 17 29.6 LONG. = 55 38 27.0 RAD. = 1735423.9	1.8 2.1 21.3
G5055	X = 942953 Y = 1436558 Z = -242363	29 30 21	LAT. = - 8 1 41.1 LONG. = 56 43 9.1 RAD. = 1735395.8	2.8 2.7 34.1
92229	X = 952423 Y = 1428794 Z = -251263	17 20 12	LAT. = - 8 19 29.4 LONG. = 56 18 46.3 RAD. = 1735423.5	1.5 2.0 20.5
G5065	X = 941074 Y = 1432819 Z = -270024	33 39 28	LAT. = - 8 57 5.8 LONG. = 56 42 11.3 RAD. = 1735368.1	3.9 3.1 41.1
92155	X = 932750 Y = 1427730 Z = -323513	18 26 16	LAT. = -10 44 28.5 LONG. = 56 50 34.9 RAD. = 1735827.7	2.2 2.3 23.7
92151	X = 913615 Y = 1452250 Z = -263441	35 45 16	LAT. = - 8 43 45.5 LONG. = 57 49 33.2 RAD. = 1735835.1	2.4 2.3 52.1

A-402

• TERRAIN POINTS ON MAP SHEET 80D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
92131	X = 901596 Y = 1449357 Z = -316141	16 31 14	LAT. = -10 29 35.0 LONG. = 58 6 56.3 RAD. = 1735931.5	2.0 2.4 27.2
91999	X = 876741 Y = 1457177 Z = -351549	17 26 15	LAT. = -11 40 46.9 LONG. = 58 57 57.3 RAD. = 1736556.0	2.1 2.3 23.6
92127	X = 879938 Y = 1475124 Z = -252820	17 21 12	LAT. = - 8 22 23.7 LONG. = 59 10 59.4 RAD. = 1736145.2	1.4 1.9 21.5
G5063	X = 872659 Y = 1474651 Z = -271017	33 41 31	LAT. = - 8 59 15.7 LONG. = 59 23 2.7 RAD. = 1734813.6	4.2 3.1 42.3



○ RANGE
OBSERVATION

▲ ○ < 30M
▲ ○ < 100M
▼ ○ > 100M

MAP SHEET 81A

TERRAIN POINTS ON MAP SHEET 81A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
53008	X = 578792 Y = 1637225 Z = -7288	11 13 8	LAT. = - 0 14 25.7 LONG. = 70 31 49.7 RAD. = 1736536.8	1.0 1.3 13.0
K3875	X = 571043 Y = 1640068 Z = -20477	23 41 34	LAT. = - 0 40 31.9 LONG. = 70 48 9.9 RAD. = 1736758.9	4.0 2.9 40.3
N3442	X = 593780 Y = 1632445 Z = -35985	21 30 21	LAT. = - 1 11 12.3 LONG. = 70 0 42.6 RAD. = 1737453.7	2.5 2.4 30.3
72503	X = 568464 Y = 1641165 Z = -57140	17 21 15	LAT. = - 1 53 3.4 LONG. = 70 53 42.1 RAD. = 1737768.2	1.7 1.8 22.5
52898	X = 581292 Y = 1636672 Z = -58824	17 41 20	LAT. = - 1 56 23.2 LONG. = 70 26 47.9 RAD. = 1737831.0	2.5 2.9 36.5
72393	X = 582487 Y = 1634391 Z = -88097	12 20 10	LAT. = - 2 54 23.9 LONG. = 70 23 3.3 RAD. = 1737322.1	1.2 1.5 19.2
22499	X = 574630 Y = 1635859 Z = -119587	13 19 13	LAT. = - 3 56 44.0 LONG. = 70 38 42.4 RAD. = 1737969.0	1.6 1.6 17.6
72385	X = 576316 Y = 1632716 Z = -147410	13 26 12	LAT. = - 4 51 58.5 LONG. = 70 33 28.8 RAD. = 1737708.6	1.5 1.9 23.7
82168	X = 564947 Y = 1631056 Z = -203044	15 23 15	LAT. = - 6 42 31.9 LONG. = 70 53 43.9 RAD. = 1738026.4	1.7 2.0 22.7
82170	X = 579545 Y = 1621639 Z = -225468	16 21 14	LAT. = - 7 27 32.9 LONG. = 70 20 2.5 RAD. = 1736785.1	1.6 1.7 22.8
N3289	X = 557850 Y = 1645590 Z = -4650	24 37 21	LAT. = - 0 9 12.0 LONG. = 71 16 24.6 RAD. = 1737580.3	2.5 2.7 37.8
N3399	X = 554063 Y = 1645423 Z = -14016	18 18 16	LAT. = - 0 27 45.1 LONG. = 71 23 24.4 RAD. = 1736260.1	1.9 2.1 17.3

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
52896	X = 563173 Y = 1642941 Z = -25342	15 22 13	LAT. = - 0 50 9.5 LONG. = 71 4 44.8 RAD. = 1736969.1	1.6 1.7 21.8
Y1177	X = 537575 Y = 1651650 Z = -31918	11 15 9	LAT. = - 1 3 9.9 LONG. = 71 58 15.9 RAD. = 1737226.1	1.1 1.4 14.4
72501	X = 555257 Y = 1644262 Z = -36634	20 35 30	LAT. = - 1 12 33.4 LONG. = 71 20 25.8 RAD. = 1735871.9	3.5 1.9 37.0
52874	X = 538673 Y = 1651350 Z = -45153	14 18 12	LAT. = - 1 29 20.6 LONG. = 71 56 1.0 RAD. = 1737574.5	1.4 1.6 18.2
2844	X = 544399 Y = 1649412 Z = -51687	12 13 10	LAT. = - 1 42 16.1 LONG. = 71 44 3.1 RAD. = 1737700.1	1.2 1.5 12.8
22495	X = 547560 Y = 1647712 Z = -60461	13 17 10	LAT. = - 1 59 39.5 LONG. = 71 37 3.2 RAD. = 1737363.7	1.2 1.5 17.3
52877	X = 557720 Y = 1643837 Z = -77506	11 15 9	LAT. = - 2 33 23.5 LONG. = 71 15 32.4 RAD. = 1737601.0	1.1 1.4 15.1
N3291	X = 545594 Y = 1647041 Z = -79647	26 37 29	LAT. = - 2 37 41.9 LONG. = 71 40 19.9 RAD. = 1736882.2	3.5 2.8 38.1
K3877	X = 551876 Y = 1645605 Z = -84616	25 38 22	LAT. = - 2 47 27.7 LONG. = 71 27 37.5 RAD. = 1737741.1	2.6 2.8 39.6
K3899	X = 548842 Y = 1644534 Z = -96151	30 23 27	LAT. = - 3 10 27.7 LONG. = 71 32 39.2 RAD. = 1736365.4	3.2 3.8 19.0
72382	X = 553804 Y = 1641486 Z = -104669	14 20 11	LAT. = - 3 27 27.2 LONG. = 71 21 24.0 RAD. = 1735549.1	1.3 1.6 20.6
G4435	X = 543814 Y = 1645445 Z = -122768	21 35 20	LAT. = - 4 3 7.9 LONG. = 71 42 41.2 RAD. = 1737324.0	2.3 2.7 34.1

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4599	X = 536223 Y = 1645748 Z = -143215	23 21 22	LAT. = - 4 43 47.6 LONG. = 71 57 11.4 RAD. = 1736817.0	2.6 2.8 19.8
82167	X = 556730 Y = 1637105 Z = -175279	13 16 11	LAT. = - 5 47 16.9 LONG. = 71 13 6.2 RAD. = 1738040.4	1.3 1.6 15.7
72297	X = 539723 Y = 1640357 Z = -177697	13 23 12	LAT. = - 5 52 30.4 LONG. = 71 47 14.5 RAD. = 1735986.0	1.6 1.7 21.1
82090	X = 544904 Y = 1636079 Z = -213229	13 16 11	LAT. = - 7 2 56.2 LONG. = 71 34 46.0 RAD. = 1737567.9	1.3 1.6 15.9
82092	X = 549196 Y = 1629131 Z = -232467	39 29 27	LAT. = - 7 42 2.4 LONG. = 71 22 13.9 RAD. = 1734855.7	2.8 3.6 40.1
Y1155	X = 515367 Y = 1654960 Z = -49614	12 19 14	LAT. = - 1 38 22.4 LONG. = 72 42 10.8 RAD. = 1734058.6	1.7 1.6 18.3
52855	X = 532470 Y = 1652409 Z = -93515	12 16 10	LAT. = - 3 4 59.8 LONG. = 72 8 20.6 RAD. = 1738598.9	1.2 1.4 15.7
72293	X = 517587 Y = 1651622 Z = -131043	15 23 11	LAT. = - 4 19 46.9 LONG. = 72 36 .0 RAD. = 1735777.8	1.4 1.6 23.7
72295	X = 533820 Y = 1644222 Z = -158951	12 19 11	LAT. = - 5 15 12.4 LONG. = 72 0 47.7 RAD. = 1735999.9	1.3 1.5 18.5
K3879	X = 532889 Y = 1643694 Z = -166904	28 40 30	LAT. = - 5 31 2.0 LONG. = 72 2 13.9 RAD. = 1735960.4	3.9 2.9 40.5
72285	X = 508036 Y = 1650061 Z = -180653	12 21 11	LAT. = - 5 58 24.3 LONG. = 72 53 13.1 RAD. = 1735925.9	1.5 1.6 19.9
82089	X = 531942 Y = 1642394 Z = -196032	13 16 11	LAT. = - 6 28 41.5 LONG. = 72 3 13.6 RAD. = 1737483.0	1.3 1.6 16.0

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4465	X = 524440 Y = 1641350 Z = -225036	28 41 31	LAT. = - 7 26 26.5 LONG. = 72 16 49.5 RAD. = 1737730.3	4.1 3.0 40.2
N3299	X = 462379 Y = 1666762 Z = -945	17 18 16	LAT. = - 0 1 52.3 LONG. = 73 51 32.3 RAD. = 1735151.2	1.9 2.1 17.7
K3688	X = 485795 Y = 1665695 Z = -10343	24 41 33	LAT. = - 0 20 29.5 LONG. = 73 44 26.9 RAD. = 1735120.7	3.9 2.9 41.3
N3279	X = 485135 Y = 1665907 Z = -10598	24 38 21	LAT. = - 0 20 59.8 LONG. = 73 45 49.3 RAD. = 1735141.1	2.5 2.7 38.5
52851	X = 496074 Y = 1664527 Z = -32349	13 19 11	LAT. = - 1 4 1.2 LONG. = 73 24 16.3 RAD. = 1737177.8	1.3 1.5 19.0
Y1144	X = 496016 Y = 1661082 Z = -48365	14 32 18	LAT. = - 1 35 53.2 LONG. = 73 22 25.8 RAD. = 1734233.5	2.2 2.1 29.1
52785	X = 482056 Y = 1665947 Z = -71854	12 16 10	LAT. = - 2 22 20.9 LONG. = 73 51 42.3 RAD. = 1735776.4	1.2 1.4 15.9
Z2455	X = 504072 Y = 1656076 Z = -149822	12 19 13	LAT. = - 4 56 47.4 LONG. = 73 4 15.4 RAD. = 1737562.2	1.6 1.6 17.4
52781	X = 451682 Y = 1676619 Z = -9323	11 14 9	LAT. = - 0 18 27.5 LONG. = 74 55 20.8 RAD. = 1736420.2	1.1 1.3 14.1
N3243	X = 475033 Y = 1669735 Z = -22519	22 26 18	LAT. = - 0 44 35.5 LONG. = 74 7 9.0 RAD. = 1736139.1	2.1 2.4 28.3
Y1119	X = 449688 Y = 1676911 Z = -27650	10 13 8	LAT. = - 0 54 44.7 LONG. = 74 59 18.5 RAD. = 1736379.2	1.0 1.2 12.7
52783	X = 464487 Y = 1672838 Z = -47630	13 17 11	LAT. = - 1 34 17.4 LONG. = 74 28 54.9 RAD. = 1736779.8	1.2 1.5 17.8

• TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N3281	X = 478047 Y = 1667658 Z = -63432	25 37 28	LAT. = - 2 5 38.5 LONG. = 74 0 16.7 RAD. = 1735982.2	3.4 2.7 38.0
K3690	X = 472411 Y = 1669990 Z = -69095	25 39 22	LAT. = - 2 16 47.6 LONG. = 74 12 17.0 RAD. = 1736897.1	2.6 2.8 40.5
2842	X = 475526 Y = 1667916 Z = -81617	12 13 10	LAT. = - 2 41 39.4 LONG. = 74 5 13.3 RAD. = 1736297.7	1.2 1.5 12.3
G'423	X = 470616 Y = 1670037 Z = -83072	18 23 17	LAT. = - 2 44 28.0 LONG. = 74 15 43.9 RAD. = 1737067.6	2.0 2.2 22.7
K3799	X = 477083 Y = 1667526 Z = -83159	18 18 17	LAT. = - 2 44 42.0 LONG. = 74 2 2.6 RAD. = 1736423.3	2.0 2.2 17.1
62905	X = 463072 Y = 1670148 Z = -106666	15 22 13	LAT. = - 3 31 18.4 LONG. = 74 30 11.6 RAD. = 1736435.1	1.5 1.7 22.4
G4433	X = 466732 Y = 1669940 Z = -110054	23 31 18	LAT. = - 3 37 54.2 LONG. = 74 23 5.4 RAD. = 1737425.9	2.1 2.4 32.9
G4499	X = 458233 Y = 1670384 Z = -132303	20 21 18	LAT. = - 4 22 4.6 LONG. = 74 39 34.4 RAD. = 1737142.2	2.1 2.3 21.0
52755	X = 458107 Y = 1670310 Z = -136856	11 18 10	LAT. = - 4 31 4.5 LONG. = 74 39 46.5 RAD. = 1737390.5	1.3 1.4 17.2
K3692	X = 457369 Y = 1669711 Z = -149742	27 40 28	LAT. = - 4 56 36.6 LONG. = 74 40 52.4 RAD. = 1737683.3	3.6 2.9 40.2
72249	X = 455096 Y = 1669511 Z = -164046	12 16 10	LAT. = - 5 24 55.8 LONG. = 74 45 7.5 RAD. = 1738186.2	1.2 1.4 16.2
72250	X = 467762 Y = 1664839 Z = -174679	12 19 10	LAT. = - 5 46 4.6 LONG. = 74 18 23.3 RAD. = 1738103.5	1.3 1.5 18.7

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82034	X = 452254 Y = 1661618 Z = -237789	13 16 11	LAT. = - 7 51 42.8 LONG. = 74 46 27.3 RAD. = 1738404.8	1.3 1.5 16.0
Y0995	X = 428494 Y = 1684292 Z = -22412	11 14 9	LAT. = - 0 44 19.8 LONG. = 75 43 35.1 RAD. = 1738088.2	1.1 1.3 14.2
62901	X = 427796 Y = 1682011 Z = -57818	13 16 12	LAT. = - 1 54 28.9 LONG. = 75 43 48.6 RAD. = 1736523.0	1.4 1.5 16.2
52751	X = 423088 Y = 1681327 Z = -70693	12 16 10	LAT. = - 2 20 5.7 LONG. = 75 52 31.5 RAD. = 1735183.7	1.2 1.4 16.0
62903	X = 447697 Y = 1674163 Z = -80673	11 15 9	LAT. = - 2 39 55.0 LONG. = 75 1 42.7 RAD. = 1734866.6	1.1 1.3 14.3
52753	X = 436948 Y = 1676126 Z = -99099	11 16 9	LAT. = - 3 16 27.9 LONG. = 75 23 19.7 RAD. = 1734975.8	1.1 1.3 15.7
52722	X = 422208 Y = 1677940 Z = -150579	11 15 9	LAT. = - 4 58 25.6 LONG. = 75 52 34.6 RAD. = 1736782.8	1.1 1.3 14.7
22299	X = 474025 Y = 1672758 Z = -180211	12 18 12	LAT. = - 5 57 11.8 LONG. = 75 27 15.9 RAD. = 1737519.1	1.6 1.5 17.0
72230	X = 442557 Y = 1667036 Z = -217141	13 21 13	LAT. = - 7 10 31.8 LONG. = 75 7 56.3 RAD. = 1738395.0	1.7 1.6 20.2
Y0994	X = 419293 Y = 1684284 Z = -759	12 18 10	LAT. = - 0 1 30.2 LONG. = 76 1 14.5 RAD. = 1735690.2	1.2 1.4 17.6
B319J	X = 401884 Y = 1690273 Z = -5661	14 21 12	LAT. = - 0 11 12.1 LONG. = 76 37 31.9 RAD. = 1737402.1	1.4 1.6 21.5
43199	X = 401885 Y = 1690291 Z = -5666	12 15 11	LAT. = - 0 11 12.6 LONG. = 76 37 32.3 RAD. = 1737419.3	1.3 1.4 15.0

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2648	X = 416169 Y = 1685547 Z = -7093	12 13 10	LAT. = - 0 14 2.7 LONG. = 76 7 50.9 RAD. = 1736178.1	1.2 1.4 12.4
K3681	X = 412422 Y = 1684698 Z = -51982	23 41 23	LAT. = - 1 43 .0 LONG. = 76 14 39.3 RAD. = 1735224.0	2.7 2.8 41.3
N3065	X = 408096 Y = 1685509 Z = -62596	20 27 18	LAT. = - 2 4 1.8 LONG. = 76 23 22.1 RAD. = 1735339.3	2.1 2.2 27.1
K3699	X = 404090 Y = 1686284 Z = -71606	21 16 19	LAT. = - 2 21 52.8 LONG. = 76 31 26.9 RAD. = 1735502.3	2.3 2.5 16.3
52729	X = 397383 Y = 1687086 Z = -83372	12 23 12	LAT. = - 2 45 14.0 LONG. = 76 44 45.3 RAD. = 1735258.5	1.5 1.5 22.8
Y097G	X = 403620 Y = 1684331 Z = -100272	12 17 10	LAT. = - 3 18 48.0 LONG. = 76 31 27.1 RAD. = 1734916.0	1.2 1.4 17.1
2840	X = 405626 Y = 1683152 Z = -111253	12 13 10	LAT. = - 3 40 36.1 LONG. = 76 27 2.0 RAD. = 1734909.1	1.2 1.4 12.4
52720	X = 405173 Y = 1683054 Z = -114536	10 14 9	LAT. = - 3 47 7.0 LONG. = 76 27 51.7 RAD. = 1734921.8	1.0 1.2 14.2
52599	X = 393021 Y = 1684941 Z = -133759	10 14 9	LAT. = - 5 24 24.7 LONG. = 76 52 12.8 RAD. = 1737903.7	1.0 1.2 14.0
72093	X = 396 40 Y = 1677722 Z = -216493	14 21 12	LAT. = - 7 9 26.9 LONG. = 76 41 31.6 RAD. = 1737556.2	1.5 1.6 21.4
Y0974	X = 381712 Y = 1695491 Z = -53138	10 13 8	LAT. = - 1 45 4.7 LONG. = 77 18 44.4 RAD. = 1738740.4	1.0 1.2 12.5
G4225	X = 384541 Y = 1690970 Z = -71415	23 26 20	LAT. = - 2 21 29.6 LONG. = 77 11 18.0 RAD. = 1735612.8	2.4 2.6 27.4

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

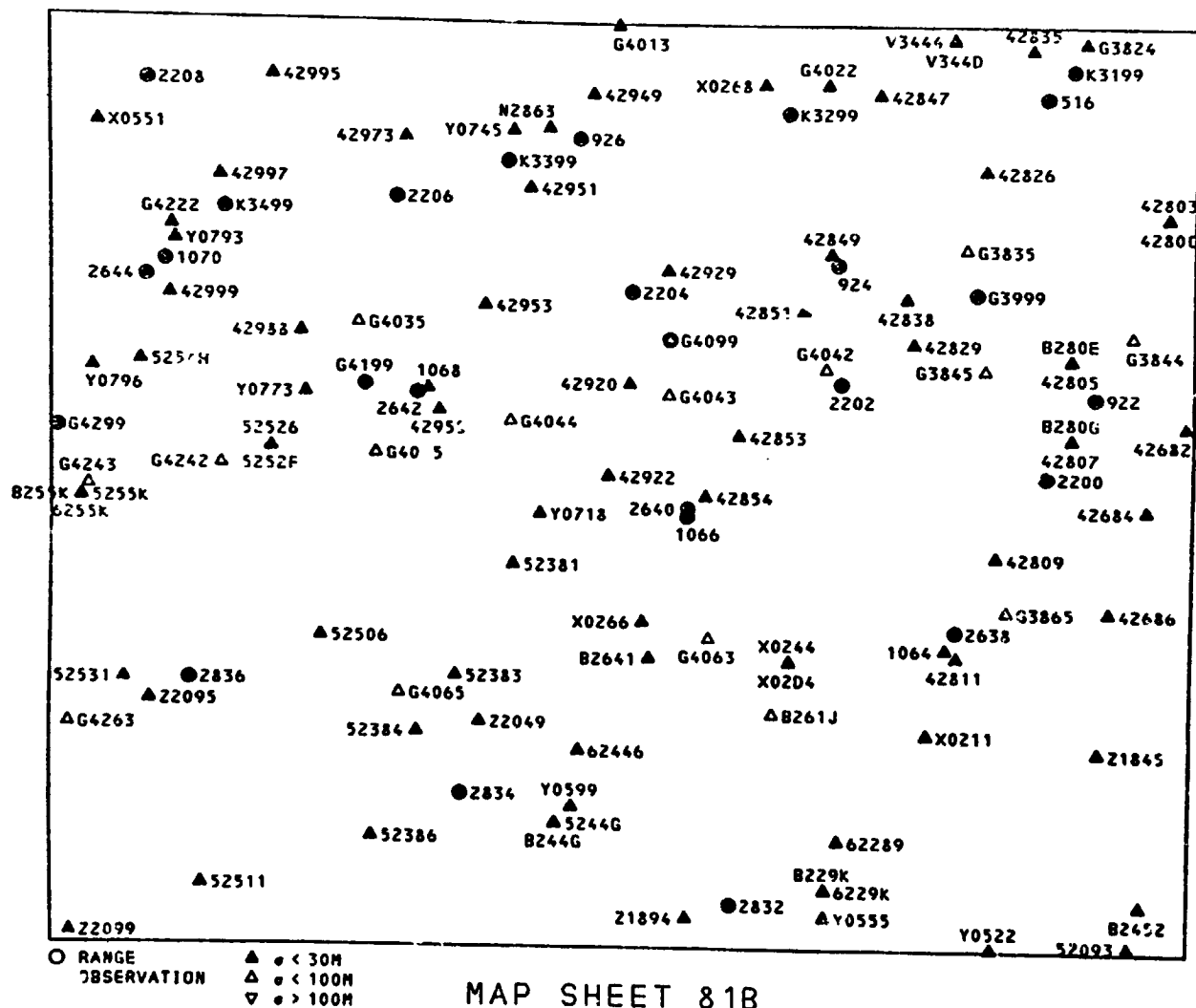
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
52594	X = 362887 Y = 1696238 Z = -94245	10 14 9	LAT. = - 3 6 35.7 LONG. = 77 55 27.8 RAD. = 1737179.1	1.1 1.2 13.7
Y0955	X = 377530 Y = 1691122 Z = -102093	10 15 9	LAT. = - 3 22 19.0 LONG. = 77 24 55.8 RAD. = 1735755.4	1.1 1.3 14.5
G4399	X = 379060 Y = 1689967 Z = -119515	29 20 27	LAT. = - 3 56 50.9 LONG. = 77 21 28.1 RAD. = 1736075.7	3.2 3.4 21.0
52596	X = 375071 Y = 1692930 Z = -126384	11 15 10	LAT. = - 4 10 7.4 LONG. = 77 30 28.1 RAD. = 1738580.9	1.1 1.3 15.1
K3683	X = 388313 Y = 1685574 Z = -137022	26 41 29	LAT. = - 4 31 45.4 LONG. = 77 1 36.7 RAD. = 1735143.0	3.7 2.8 41.3
K3663	X = 387767 Y = 1687758 Z = -148748	32 42 24	LAT. = - 4 54 33.8 LONG. = 77 3 38.5 RAD. = 1738106.7	3.1 3.0 44.4
G4255	X = 371145 Y = 1690500 Z = -156511	39 53 29	LAT. = - 5 10 1.7 LONG. = 77 37 2.3 RAD. = 1737825.0	3.9 3.6 56.7
52588	X = 366715 Y = 1686944 Z = -182353	12 16 11	LAT. = - 6 1 47.2 LONG. = 77 44 8.2 RAD. = 1735947.3	1.3 1.4 15.9
72092	X = 381894 Y = 1682331 Z = -199459	13 22 12	LAT. = - 6 35 42.8 LONG. = 77 12 37.5 RAD. = 1736624.9	1.4 1.6 21.5
G4265	X = 364997 Y = 1684892 Z = -200946	27 42 32	LAT. = - 6 38 54.2 LONG. = 77 46 36.0 RAD. = 1735644.8	4.2 2.9 40.7
22255	X = 367288 Y = 1683751 Z = -207292	12 19 12	LAT. = - 6 51 31.8 LONG. = 77 41 40.0 RAD. = 1735766.8	1.6 1.5 17.5
1072	X = 339998 Y = 1702347 Z = -29986	13 21 12	LAT. = - 0 59 22.5 LONG. = 78 42 19.1 RAD. = 1736227.0	1.4 1.6 21.6

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2646	X = 347163 Y = 1702761 Z = -37281	12 17 10	LAT. = - 1 13 44.3 LONG. = 78 28 34.8 RAD. = 1738190.5	1.2 1.4 17.2
43155	X = 337382 Y = 1703043 Z = -38326	11 16 10	LAT. = - 1 15 52.6 LONG. = 78 47 40.1 RAD. = 1736563.4	1.2 1.3 15.8
Y0951	X = 358497 Y = 1697392 Z = -52094	10 13 8	LAT. = - 1 43 11.9 LONG. = 78 4 26.9 RAD. = 1735619.1	1.0 1.2 13.2
52592	X = 349002 Y = 1701487 Z = -68787	12 23 11	LAT. = - 2 16 4.5 LONG. = 78 24 30.6 RAD. = 1738272.7	1.3 1.6 21.9
2838	X = 334873 Y = 1698000 Z = -141095	11 12 10	LAT. = - 4 39 38.5 LONG. = 78 50 36.7 RAD. = 1736448.4	1.2 1.4 12.2
7258F	X = 347192 Y = 1695911 Z = -146060	17 20 17	LAT. = - 4 49 22.4 LONG. = 78 25 48.4 RAD. = 1737236.3	1.9 1.8 21.6
22252	X = 344824 Y = 1693942 Z = -159719	11 17 10	LAT. = - 5 16 43.5 LONG. = 78 29 38.0 RAD. = 1736045.2	1.2 1.4 17.1
72070	X = 347964 Y = 1686476 Z = -218086	11 17 10	LAT. = - 7 13 4.5 LONG. = 78 20 31.1 RAD. = 1735753.8	1.2 1.4 16.6
43153	X = 323503 Y = 1707118 Z = -13144	10 13 9	LAT. = - 0 26 4 LONG. = 79 16 10.4 RAD. = 1737550.1	1.0 1.2 13.1
G4213	X = 313756 Y = 1708144 Z = -31717	16 24 16	LAT. = - 1 2 46.6 LONG. = 79 35 30.5 RAD. = 1737010.6	1.9 2.0 23.8
K3672	X = 327801 Y = 1705415 Z = -47372	46 68 29	LAT. = - 1 33 45.1 LONG. = 79 7 11.2 RAD. = 1737278.8	3.3 4.3 73.8
43133	X = 302864 Y = 1709314 Z = -50271	9 13 8	LAT. = - 1 39 31.5 LONG. = 79 57 8.5 RAD. = 1736665.9	1.0 1.1 13.4

TERRAIN POINTS ON MAP SHEET 81A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K3599	X = 330708 Y = 1704458 Z = -60450	17 17 16	LAT. = - 1 59 38.6 LONG. = 79 1 10.5 RAD. = 1737296.5	1.9 2.0 16.6
52581	X = 315356 Y = 1707050 Z = -72682	9 13 8	LAT. = - 2 23 51.1 LONG. = 79 32 7.4 RAD. = 1737451.8	1.0 1.1 12.4
G4233	X = 305446 Y = 1706265 Z = -92625	18 33 17	LAT. = - 3 3 31.4 LONG. = 79 51 2.7 RAD. = 1735862.3	2.1 2.2 32.4
K3674	X = 317426 Y = 1702864 Z = -119489	52 70 39	LAT. = - 3 56 45.9 LONG. = 79 26 27.0 RAD. = 1736313.3	5.1 5.0 74.8
Y0799	X = 302443 Y = 1704824 Z = -133177	10 14 9	LAT. = - 4 23 54.0 LONG. = 79 56 24.5 RAD. = 1736558.0	1.1 1.2 14.2
K3465	X = 315877 Y = 1702586 Z = -134044	25 40 30	LAT. = - 4 25 34.9 LONG. = 79 29 22.4 RAD. = 1736820.7	3.8 2.7 39.1
52553	X = 308662 Y = 1700429 Z = -162721	10 15 9	LAT. = - 5 22 43.9 LONG. = 79 47 42.1 RAD. = 1735860.0	1.0 1.2 14.5
52555	X = 325908 Y = 1692940 Z = -199896	10 4 9	LAT. = - 6 36 49.6 LONG. = 79 6 11.9 RAD. = 1735575.4	1.1 1.2 14.0
72048	X = 318285 Y = 1690070 Z = -234214	12 19 11	LAT. = - 7 45 19.1 LONG. = 79 20 4.6 RAD. = 1735655.2	1.3 1.4 18.8



TERRAIN POINTS ON MAP SHEET 81B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2208	X = 276030 Y = 1712395 Z = -16013	11 12 10	LAT. = - 0 31 44.2 LONG. = 80 50 34.6 RAD. = 1734574.1	1.2 1.3 11.7
X0551	X = 289196 Y = 1711496 Z = -27338	11 18 10	LAT. = - 0 54 8.3 LONG. = 80 24 33.1 RAD. = 1735972.5	1.2 1.3 17.4
1070	X = 271275 Y = 1711487 Z = -62966	13 13 12	LAT. = - 2 4 51.7 LONG. = 80 59 36.3 RAD. = 1733996.1	1.4 1.5 12.6
2644	X = 276150 Y = 1710518 Z = -67108	11 12 10	LAT. = - 2 13 4.9 LONG. = 80 49 45.0 RAD. = 1733964.6	1.2 1.3 11.9
5254H	X = 277771 Y = 1711027 Z = -89323	13 29 11	LAT. = - 2 56 59.3 LONG. = 80 46 44.2 RAD. = 1735727.3	1.3 1.8 27.8
Y0796	X = 290328 Y = 1708876 Z = -91088	9 13 8	LAT. = - 3 0 29.2 LONG. = 80 21 28.2 RAD. = 1735754.9	1.0 1.1 13.1
G4299	X = 299253 Y = 1706706 Z = -106887	21 19 19	LAT. = - 3 31 47.7 LONG. = 80 3 17.6 RAD. = 1736036.5	2.3 2.4 19.1
G4243	X = 291259 Y = 1708174 Z = -122194	19 32 19	LAT. = - 4 2 1.2 LONG. = 80 19 25.0 RAD. = 1737129.9	2.3 2.2 31.8
5255K	X = 293088 Y = 1707959 Z = -125303	15 21 14	LAT. = - 4 8 8.6 LONG. = 80 15 46.1 RAD. = 1737448.2	1.6 1.8 21.5
B255K	X = 293084 Y = 1707878 Z = -125347	13 22 15	LAT. = - 4 8 14.4 LONG. = 80 15 45.0 RAD. = 1737371.1	1.8 1.6 21.5
6255K	X = 293115 Y = 1707910 Z = -125351	16 20 17	LAT. = - 4 9 14.6 LONG. = 80 15 42.0 RAD. = 1737408.2	1.9 1.8 22.1
52531	X = 280994 Y = 1705534 Z = -172659	11 15 10	LAT. = - 5 42 15.3 LONG. = 80 38 39.6 RAD. = 1737128.4	1.2 1.3 15.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Z2095	X = 274119 Y = 1705671 Z = -178018	11 17 10	LAT. = - 5 53 .0 LONG. = 80 52 12.2 RAD. = 1736705.2	1.2 1.3 17.0
G4743	X = 294989 Y = 1700507 Z = -184243	28 80 51	LAT. = - 6 5 36.1 LONG. = 80 9 31.5 RAD. = 1735709.8	6.9 4.2 72.6
Z2099	X = 293850 Y = 1693914 Z = -238561	11 19 12	LAT. = - 7 54 .0 LONG. = 80 9 31.0 RAD. = 1735685.6	1.6 1.4 17.4
42995	X = 243447 Y = 1716653 Z = -14557	10 14 9	LAT. = - 0 28 51.7 LONG. = 81 55 42.3 RAD. = 1733890.3	1.0 1.2 13.9
42997	X = 257155 Y = 1714758 Z = -40819	9 13 8	LAT. = - 1 20 54.8 LONG. = 81 28 16.1 RAD. = 1734413.8	1.0 1.1 13.1
K3499	X = 255897 Y = 1714318 Z = -49019	15 14 14	LAT. = - 1 37 11.7 LONG. = 81 30 36.4 RAD. = 1734004.8	1.7 1.8 14.2
G4222	X = 269682 Y = 1711996 Z = -53867	16 24 15	LAT. = - 1 46 48.9 LONG. = 81 2 53.0 RAD. = 1733944.0	1.8 1.9 23.9
Y0793	X = 268684 Y = 1712103 Z = -57583	11 17 10	LAT. = - 1 54 10.9 LONG. = 81 4 52.2 RAD. = 1734013.5	1.2 1.3 17.5
42999	X = 270213 Y = 1712794 Z = -71875	10 14 9	LAT. = - 2 22 24.9 LONG. = 81 2 5.3 RAD. = 1735466.8	1.0 1.2 13.8
52526	X = 243227 Y = 1713258 Z = -111499	9 15 9	LAT. = - 3 41 12.1 LONG. = 81 55 11.4 RAD. = 1734025.8	1.1 1.1 14.5
5252F	X = 243188 Y = 1713279 Z = -111565	12 17 13	LAT. = - 3 41 19.9 LONG. = 81 55 16.5 RAD. = 1734044.5	1.5 1.4 17.6
G4242	X = 256211 Y = 1710943 Z = -116090	19 34 20	LAT. = - 3 50 20.3 LONG. = 81 28 60.0 RAD. = 1733911.3	2.5 2.2 33.2

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2836	X = 263775 Y = 1707475 Z = -172413	11 12 10	LAT. = - 5 41 55.6 LONG. = 81 13 5.6 RAD. = 1736310.5	1.2 1.3 12.3
52511	X = 260158 Y = 1703306 Z = -226181	9 14 9	LAT. = - 7 28 41.9 LONG. = 81 18 57.3 RAD. = 1737840.7	1.1 1.1 14.1
G4035	X = 220682 Y = 1717946 Z = -78799	18 33 17	LAT. = - 2 36 17.4 LONG. = 82 40 48.2 RAD. = 1733854.0	2.1 2.1 32.7
42988	X = 235707 Y = 1715945 Z = -81258	9 14 8	LAT. = - 2 41 9.7 LONG. = 82 10 43.1 RAD. = 1733963.4	1.0 1.1 13.7
G4199	X = 218716 Y = 1717530 Z = -94856	18 16 17	LAT. = - 3 8 9.0 LONG. = 82 44 34.1 RAD. = 1733996.6	2.1 2.1 15.8
Y0773	X = 234361 Y = 1715521 Z = -97176	10 14 10	LAT. = - 3 12 44.3 LONG. = 82 13 15.0 RAD. = 1734180.2	1.1 1.2 14.6
G4045	X = 215693 Y = 1716815 Z = -112981	18 33 19	LAT. = - 3 44 9.0 LONG. = 82 50 20.9 RAD. = 1733996.2	2.4 2.1 32.5
52506	X = 229447 Y = 1711309 Z = -160912	9 12 8	LAT. = - 5 19 27.4 LONG. = 82 21 48.6 RAD. = 1734104.6	1.0 1.0 12.3
52386	X = 215646 Y = 1710169 Z = -213423	11 15 11	LAT. = - 7 3 29.6 LONG. = 82 48 47.3 RAD. = 1736873.6	1.2 1.3 15.4
42973	X = 208532 Y = 20700 Z = -30233	9 13 8	LAT. = - 0 59 57.4 LONG. = 83 5 24.0 RAD. = 1733553.9	1.0 1.1 13.1
K3399	X = 181661 Y = 1723853 Z = -36096	15 14 15	LAT. = - 1 11 34.6 LONG. = 83 59 3.6 RAD. = 1733773.8	1.8 1.8 13.7
2206	X = 210842 Y = 1720146 Z = -45766	12 12 12	LAT. = - 1 30 45.8 LONG. = 83 0 43.2 RAD. = 1733623.9	1.4 1.5 11.5

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT J.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42953	X = 187422 Y = 1722317 Z = -74034	8 12 8	LAT. = - 2 26 48.9 LONG. = 83 47 22.3 RAD. = 1734065.2	.9 1.0 12.3
1068	X = 202215 Y = 1719556 Z = -95934	15 22 14	LAT. = - 3 10 17.1 LONG. = 83 17 34.7 RAD. = 1734061.3	1.7 1.7 21.8
2642	X = 204900 Y = 1719120 Z = -97020	11 12 10	LAT. = - 3 12 26.8 LONG. = 83 12 11.0 RAD. = 1734004.0	1.2 1.3 11.6
42955	X = 199103 Y = 1719509 Z = -101712	8 12 8	LAT. = - 3 21 46.1 LONG. = 83 23 42.3 RAD. = 1733983.2	.9 1.0 12.4
52383	X = 193806 Y = 1714528 Z = -171029	10 16 10	LAT. = - 5 39 38.8 LONG. = 83 33 2.9 RAD. = 1733902.3	1.2 1.2 16.4
G4065	X = 208670 Y = 1712905 Z = -175839	24 41 31	LAT. = - 5 49 6.6 LONG. = 83 3 15.6 RAD. = 1734504.5	4.0 2.8 39.1
22049	X = 187312 Y = 1713849 Z = -183044	11 17 11	LAT. = - 6 3 37.5 LONG. = 83 45 45.8 RAD. = 1733744.4	1.3 1.3 17.7
52384	X = 203880 Y = 1711966 Z = -185741	9 15 9	LAT. = - 6 8 56.4 LONG. = 83 12 30.8 RAD. = 1734040.2	1.2 1.2 14.9
2834	X = 191921 Y = 1711370 Z = -201716	11 13 10	LAT. = - 6 40 51.0 LONG. = 83 36 4.7 RAD. = 1733871.4	1.2 1.3 12.5
G4013	X = 152710 Y = 1727134 Z = -411	15 23 15	LAT. = - 0 0 48.9 LONG. = 84 56 49.7 RAD. = 1733872.1	1.8 1.8 23.0
42949	X = 159279 Y = 1726502 Z = -18443	9 13 8	LAT. = - 0 36 34.0 LONG. = 84 43 44.7 RAD. = 1733932.0	1.0 1.0 12.8
N2863	X = 170818 Y = 1725284 Z = -27478	16 26 16	LAT. = - 0 54 28.9 LONG. = 84 20 44.4 RAD. = 1733937.7	1.9 1.9 25.3

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0745	X = 180349 Y = 1724421 Z = -28174	12 17 13	LAT. = - 0 55 51.4 LONG. = 84 1 45.9 RAD. = 1734055.5	1.6 1.3 17.2
926	X = 162786 Y = 1726177 Z = -30215	12 12 12	LAT. = - 0 59 54.2 LONG. = 84 36 45.7 RAD. = 1734099.1	1.4 1.5 11.7
42951	X = 175709 Y = 1724443 Z = -43229	9 12 8	LAT. = - 1 25 43.0 LONG. = 84 10 55.3 RAD. = 1733910.3	.9 1.0 12.3
G4044	X = 180251 Y = 1721390 Z = -104330	18 33 20	LAT. = - 3 26 58.3 LONG. = 84 1 19.9 RAD. = 1733942.7	2.5 2.1 32.9
42922	X = 154 Y = 17223 Z = 8545	9 14 9	LAT. = - 3 55 11.8 LONG. = 84 53 16.1 RAD. = 1734061.9	1.1 1.1 13.9
Y0718	X = 172074 Y = 1720650 Z = -128469	10 15 10	LAT. = - 4 14 55.8 LONG. = 84 17 20.8 RAD. = 1733998.1	1.1 1.1 14.7
52381	X = 179041 Y = 1719074 Z = -141876	9 14 9	LAT. = - 4 41 33.7 LONG. = 84 3 14.8 RAD. = 1734185.7	1.1 1.1 13.8
62446	X = 161053 Y = 1715690 Z = -190254	9 13 8	LAT. = - 6 18 .9 LONG. = 84 38 14.3 RAD. = 1733703.1	1.0 1.0 12.4
Y0599	X = 162608 Y = 1714003 Z = -204973	9 15 9	LAT. = - 6 47 21.3 LONG. = 84 34 49.9 RAD. = 1733857.5	1.2 1.2 14.2
5244G	X = 166792 Y = 1713157 Z = -209257	13 22 12	LAT. = - 6 55 53.6 LONG. = 84 26 21.3 RAD. = 1733930.3	1.5 1.5 22.0
B244G	X = 166840 Y = 1713092 Z = -209317	13 24 16	LAT. = - 6 56 1.6 LONG. = 84 26 13.8 RAD. = 1733879.3	2.1 1.7 21.8
42929	X = 138938 Y = 1727068 Z = -64783	8 13 8	LAT. = - 2 8 28.6 LONG. = 85 24 2.2 RAD. = 1733857.9	.9 1.0 12.5

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2204	X = 148408 Y = 1726270 Z = -70288	11 12 10	LAT. = - 2 19 23.0 LONG. = 85 5 10.9 RAD. = 1734062.9	1.2 1.3 11.7
G4099	X = 138259 Y = 1726398 Z = -82655	22 15 22	LAT. = - 2 43 56.4 LONG. = 85 25 16.4 RAD. = 1733896.3	2.6 2.6 14.7
42920	X = 148804 Y = 1724856 Z = -94370	9 15 8	LAT. = - 3 7 12.2 LONG. = 85 4 9.4 RAD. = 1733832.5	1.0 1.1 14.9
G4043	X = 138320 Y = 1725541 Z = -97277	19 43 23	LAT. = - 3 12 58.8 LONG. = 85 25 1.0 RAD. = 1733806.7	2.9 2.4 42.1
42854	X = 128292 Y = 1724610 Z = -123754	8 12 8	LAT. = - 4 5 35.2 LONG. = 85 44 44.4 RAD. = 1733797.6	.9 1.0 12.0
2640	X = 133068 Y = 1724058 Z = -126838	12 12 11	LAT. = - 4 11 42.8 LONG. = 85 35 11.4 RAD. = 1733831.7	1.3 1.4 11.5
1066	X = 133100 Y = 1723886 Z = -128829	12 12 12	LAT. = - 4 15 40.4 LONG. = 85 35 6.0 RAD. = 1733809.7	1.4 1.5 12.3
X0266	X = 144644 Y = 1721097 Z = -156646	10 15 9	LAT. = - 5 10 56.3 LONG. = 85 11 45.8 RAD. = 1734253.0	1.1 1.2 14.9
G4063	X = 127085 Y = 1722194 Z = -160842	23 41 30	LAT. = - 5 19 16.4 LONG. = 85 46 46.7 RAD. = 1734350.9	3.9 2.7 39.1
B2641	X = 142691 Y = 1720091 Z = -166147	10 14 9	LAT. = - 5 29 54.3 LONG. = 85 15 28.3 RAD. = 1733977.7	1.1 1.1 14.4
2832	X = 120275 Y = 1715282 Z = -230080	11 13 10	LAT. = - 7 37 16.7 LONG. = 85 59 20.5 RAD. = 1734818.9	1.2 1.3 12.6
Z1894	X = 131932 Y = 1713185 Z = -233522	11 18 11	LAT. = - 7 44 22.0 LONG. = 85 35 46.8 RAD. = 1734053.2	1.3 1.3 17.6

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G4022	X = 97081 Y = 1730819 Z = -15725	14 21 14	LAT. = - 0 31 11.0 LONG. = 86 47 22.7 RAD. = 1733610.4	1.7 1.7 20.8
X0268	X = 113821 Y = 1729830 Z = -15756	12 18 13	LAT. = - 0 31 14.6 LONG. = 86 14 7.5 RAD. = 1733642.1	1.5 1.4 18.6
K3299	X = 107355 Y = 1730264 Z = -23100	15 14 15	LAT. = - 0 45 48.3 LONG. = 86 26 58.6 RAD. = 1733744.8	1.8 1.8 13.6
42849	X = 95821 Y = 1730155 Z = -60084	9 13 9	LAT. = - 1 59 9.3 LONG. = 86 49 48.1 RAD. = 1733848.1	1.0 1.1 13.5
924	X = 94013 Y = 1730205 Z = -62754	12 12 12	LAT. = - 2 4 26.9 LONG. = 86 53 23.4 RAD. = 1733893.1	1.4 1.4 11.7
42851	X = 102960 Y = 1729064 Z = -74955	8 12 8	LAT. = - 2 28 40.2 LONG. = 86 35 32.1 RAD. = 1733747.9	.9 .9 12.0
G4042	X = 96846 Y = 1728708 Z = -90159	18 33 20	LAT. = - 2 58 51.0 LONG. = 86 47 36.7 RAD. = 1733764.2	2.5 2.1 32.8
2202	X = 92805 Y = 1729059 Z = -93944	11 12 10	LAT. = - 3 6 19.8 LONG. = 86 55 39.6 RAD. = 1734094.9	1.2 1.3 12.1
42853	X = 119651 Y = 1726288 Z = -107852	8 12 8	LAT. = - 3 33 59.2 LONG. = 86 2 6.3 RAD. = 1733787.0	.9 1.0 12.0
X0244	X = 105685 Y = 1722653 Z = -166763	11 20 13	LAT. = - 5 31 8.5 LONG. = 86 29 21.4 RAD. = 1733929.6	1.7 1.3 18.8
X02D4	X = 105691 Y = 1722602 Z = -166893	11 17 14	LAT. = - 5 31 24.5 LONG. = 86 29 20.4 RAD. = 1733891.9	1.6 1.3 17.7
B261J	X = 110007 Y = 1721298 Z = -180486	22 37 20	LAT. = - 5 58 25.5 LONG. = 86 20 35.6 RAD. = 1734227.3	2.7 2.9 34.1

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. TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62289	X = 92148 Y = 1718413 Z = -213328	9 13 8	LAT. = - 7 3 59.7 LONG. = 86 55 49.9 RAD. = 1734054.1	1.0 1.0 12.7
B229K	X = 95445 Y = 1717094 Z = -226116	10 16 10	LAT. = - 7 29 25.5 LONG. = 86 49 6.5 RAD. = 1734546.3	1.3 1.2 16.0
6229K	X = 95444 Y = 1717103 Z = -226136	14 21 17	LAT. = - 7 29 27.7 LONG. = 86 49 6.7 RAD. = 1734557.6	1.9 1.6 22.5
Y0555	X = 95370 Y = 1716558 Z = -233182	9 14 9	LAT. = - 7 43 26.7 LONG. = 86 49 11.9 RAD. = 1734946.7	1.2 1.1 14.0
V3444	X = 64028 Y = 1732458 Z = -3453	11 19 16	LAT. = - 0 6 50.9 LONG. = 87 53 .4 RAD. = 1733644.7	1.9 1.3 19.2
V3440	X = 63975 Y = 1732458 Z = -3913	15 38 41	LAT. = - 0 7 45.5 LONG. = 87 53 6.7 RAD. = 1733643.4	4.8 1.8 38.3
42847	X = 83400 Y = 1731542 Z = -18252	9 14 9	LAT. = - 0 36 11.6 LONG. = 87 14 33.0 RAD. = 1733645.0	1.0 1.0 13.9
42838	X = 75863 Y = 1730693 Z = -71695	8 12 8	LAT. = - 2 22 11.6 LONG. = 87 29 24.4 RAD. = 1733837.7	.9 .9 12.4
42829	X = 73909 Y = 1730284 Z = -83497	8 13 8	LAT. = - 2 45 36.8 LONG. = 87 33 14.8 RAD. = 1733873.6	.9 1.0 12.8
2638	X = 61938 Y = 1725500 Z = -158507	11 11 11	LAT. = - 5 14 42.7 LONG. = 87 56 39. RAD. = 1733871.6	1.4 1.4 11.3
1064	X = 64574 Y = 1724870 Z = -163287	12 22 12	LAT. = - 5 24 14.8 LONG. = 87 51 21.7 RAD. = 1733784.2	1.4 1.5 22.1
42811	X = 61640 Y = 1724934 Z = -165342	8 12 8	LAT. = - 5 28 18.5 LONG. = 87 57 12.3 RAD. = 1733936.5	1.0 1.0 12.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

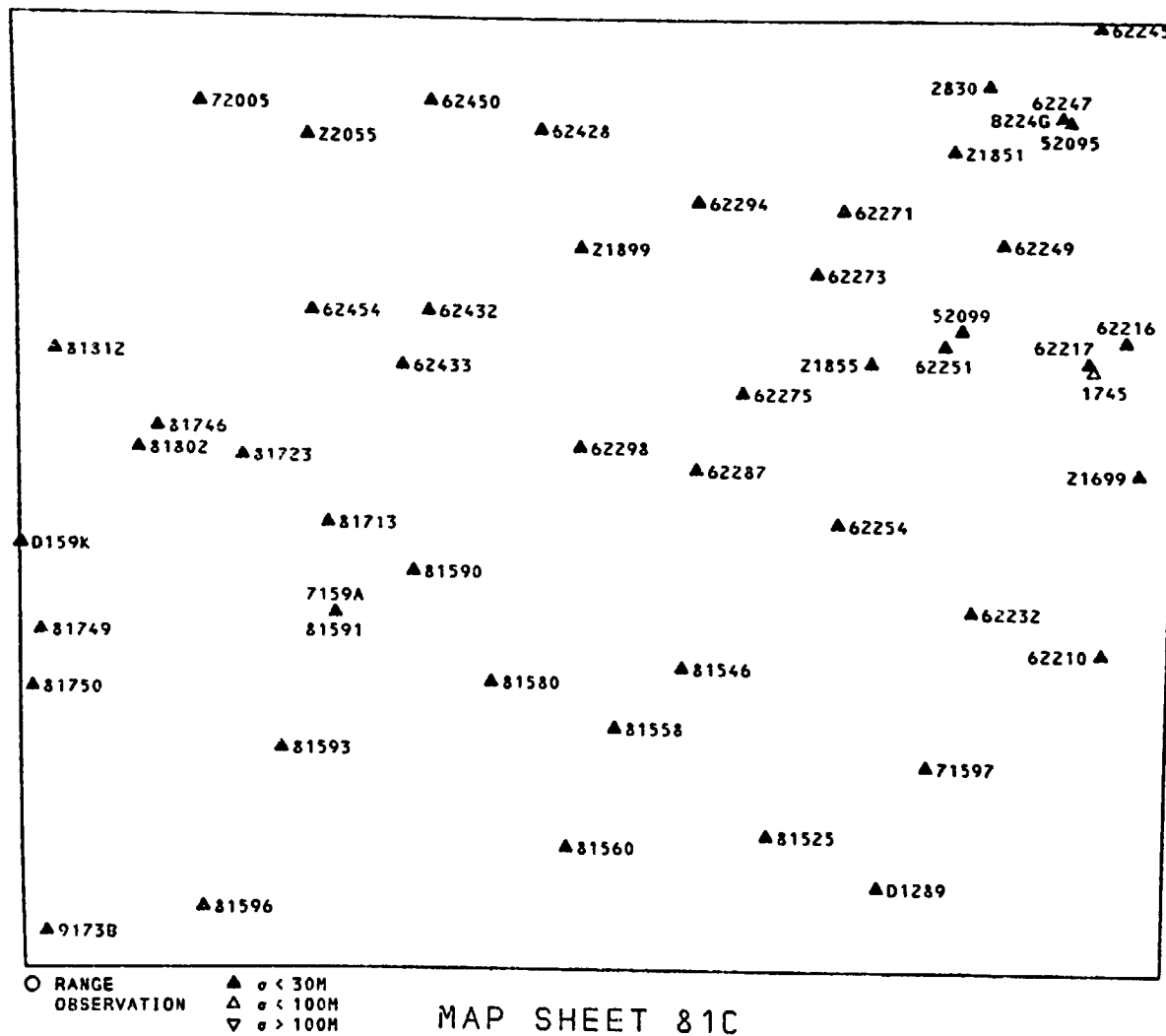
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
X0211	X = 69186 Y = 1722630 Z = -185604	9 16 9	LAT. = - 6 8 40.8 LONG. = 87 42 .3 RAD. = 1733980.5	1.2 1.1 15.3
42835	X = 43221 Y = 1733132 Z = -6218	8 12 8	LAT. = - 0 12 19.8 LONG. = 88 34 17.3 RAD. = 1733681.9	.9 1.0 12.4
K3199	X = 32534 Y = 1733367 Z = -11374	14 13 14	LAT. = - 0 22 33.2 LONG. = 88 55 29.0 RAD. = 1733709.3	1.7 1.7 12.3
516	X = 39220 Y = 1733176 Z = -18647	12 12 12	LAT. = - 0 36 58.6 LONG. = 88 42 13.2 RAD. = 1733720.4	1.4 1.4 11.5
42826	X = 55183 Y = 1732450 Z = -38031	8 14 8	LAT. = - 1 15 25.0 LONG. = 88 10 32.2 RAD. = 1733746.3	1.0 1.0 13.6
G3835	X = 60080 Y = 1731748 Z = -58560	18 32 17	LAT. = - 1 56 8.1 LONG. = 88 0 46.9 RAD. = 1733779.5	2.1 2.1 32.3
G3999	X = 57283 Y = 1731514 Z = -70198	17 14 17	LAT. = - 2 19 13.1 LONG. = 88 6 18.7 RAD. = 1733883.0	2.0 2.1 13.9
B280E	X = 32441 Y = 1731245 Z = -87325	14 22 18	LAT. = - 2 53 13.5 LONG. = 88 55 35.4 RAD. = 1733749.9	2.1 1.6 22.3
42805	X = 32490 Y = 1731306 Z = -87386	8 12 8	LAT. = - 2 53 20.3 LONG. = 88 55 29.7 RAD. = 1733814.4	1.0 1.0 12.5
G3845	X = 54893 Y = 1730960 Z = -90210	18 32 19	LAT. = - 2 58 54.5 LONG. = 88 11 1.0 RAD. = 1734178.1	2.4 2.1 32.0
B280G	X = 32159 Y = 1730192 Z = -108008	14 22 16	LAT. = - 3 34 17. LONG. = 88 56 6.6 RAD. = 1733857.7	1.8 1.6 22.3
42807	X = 32199 Y = 1730243 Z = -108056	9 13 9	LAT. = - 3 34 22.6 LONG. = 88 56 1.9 RAD. = 1733913.0	1.0 1.0 13.4

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2200	X = 38503 Y = 1729362 Z = -117802	12 14 11	LAT. = - 3 53 45.4 LONG. = 88 43 28.5 RAD. = 1733797.6	1.4 1.4 14.3
42809	X = 51451 Y = 1727477 Z = -139044	8 12 8	LAT. = - 4 35 59.2 LONG. = 88 17 38.4 RAD. = 1733827.6	.9 1.0 12.4
G3865	X = 48532 Y = 1726383 Z = -153166	23 41 32	LAT. = - 5 4 5.1 LONG. = 88 23 23.1 RAD. = 1733843.7	4.1 2.7 39.3
Y0522	X = 51363 Y = 1717281 Z = -240940	9 14 9	LAT. = - 7 58 59.2 LONG. = 88 17 12.6 RAD. = 1734861.2	1.1 1.1 14.2
G3824	X = 29359 Y = 1733387 Z = -4392	14 21 14	LAT. = - 0 8 42.6 LONG. = 89 1 46.8 RAD. = 1733641.2	1.7 1.7 20.6
42803	X = 7001 Y = 1733113 Z = -49899	9 16 9	LAT. = - 1 38 57.0 LONG. = 89 46 6.8 RAD. = 1733845.4	1.1 1.1 16.3
4280C	X = 6991 Y = 1733091 Z = -49972	14 29 21	LAT. = - 1 39 5.7 LONG. = 89 46 8.0 RAD. = 1733825.6	2.4 1.7 29.3
G3844	X = 16190 Y = 1731819 Z = -81009	18 33 20	LAT. = - 2 40 40.9 LONG. = 89 27 51.8 RAD. = 1733788.6	2.5 2.1 32.6
922	X = 25997 Y = 1730687 Z = -96922	12 12 12	LAT. = - 3 12 17.9 LONG. = 89 8 21.8 RAD. = 1733594.2	1.4 1.4 11.7
42682	X = 1964 Y = 1730800 Z = -104487	8 13 9	LAT. = - 3 27 17.0 LONG. = 89 56 5.9 RAD. = 1733951.9	1.0 1.0 13.4
42684	X = 12072 Y = 1729107 Z = -126412	8 13 8	LAT. = - 4 10 52.5 LONG. = 89 30 1.0 RAD. = 1733763.7	1.0 1.0 13.0
42686	X = 21682 Y = 1726886 Z = -153149	9 15 9	LAT. = - 5 4 3.5 LONG. = 89 16 50.3 RAD. = 1733798.9	1.1 1.1 15.0

TERRAIN POINTS ON MAP SHEET 81B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21845	X = 23996 Y = 1723147 Z = -189767	11 17 15	LAT. = - 6 17 2.2 LONG. = 89 12 7.8 RAD. = 1733730.8	1.6 1.3 17.8
B2452	X = 12454 Y = 1719056 Z = -229404	9 15 9	LAT. = - 7 36 3.2 LONG. = 89 35 5.7 RAD. = 1734370.3	1.1 1.1 14.5
52093	X = 15419 Y = 1717512 Z = -239887	10 15 10	LAT. = - 7 57 3.0 LONG. = 89 29 8.2 RAD. = 1734252.4	1.2 1.2 15.0



MAP SHEET 81C

C-6

TERRAIN POINTS ON MAP SHEET 81C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81812	X = 286859 Y = 1682046 Z = -325760	11 16 11	LAT. = -10 48 30.3 LONG. = 80 19 18.4 RAD. = 1737149.2	1.3 1.4 15.8
D159K	X = 293780 Y = 1667541 Z = -373542	15 21 20	LAT. = -12 26 26.7 LONG. = 80 0 30.3 RAD. = 1733935.9	2.0 1.8 23.4
81749	X = 288051 Y = 1663794 Z = -395064	12 17 13	LAT. = -13 10 6.4 LONG. = 80 10 40.0 RAD. = 1734144.6	1.4 1.4 18.4
81750	X = 289675 Y = 1660258 Z = -409123	14 23 14	LAT. = -13 38 41.5 LONG. = 80 6 10.4 RAD. = 1734287.0	1.6 1.7 23.3
9173B	X = 284986 Y = 1649583 Z = -470407	15 18 21	LAT. = -15 41 44.2 LONG. = 80 11 53.5 RAD. = 1738857.2	2.2 1.8 21.4
72005	X = 251060 Y = 1699173 Z = -263395	12 18 11	LAT. = - 8 43 5.9 LONG. = 81 35 42.4 RAD. = 1737698.5	1.4 1.5 17.0
81746	X = 260608 Y = 1683160 Z = -344827	12 16 12	LAT. = -11 26 42.7 LONG. = 81 11 55.0 RAD. = 1737771.5	1.4 1.4 16.0
81802	X = 265295 Y = 1681396 Z = -350232	15 20 19	LAT. = -11 37 35.5 LONG. = 81 2 1.2 RAD. = 1737854.3	1.9 1.7 22.5
81723	X = 238708 Y = 1684070 Z = -351695	12 18 12	LAT. = -11 40 56.6 LONG. = 81 55 56.5 RAD. = 1736882.6	1.4 1.5 17.7
81596	X = 245546 Y = 1656417 Z = -464064	11 18 12	LAT. = -15 29 23.3 LONG. = 81 34 4.5 RAD. = 1737632.6	1.4 1.4 18.0
Z2055	X = 223771 Y = 1701992 Z = -271420	11 19 12	LAT. = - 8 59 5.1 LONG. = 82 30 35.7 RAD. = 1737964.2	1.6 1.4 17.2
62454	X = 221931 Y = 1694132 Z = -315312	13 24 14	LAT. = -10 27 21.3 LONG. = 82 32 12.3 RAD. = 1737457.7	1.9 1.7 21.8

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81713	X = 216553 Y = 1683647 Z = -368384	12 18 12	LAT. = -12 14 38.8 LONG. = 82 40 14.8 RAD. = 1737028.5	1.5 1.5 17.2
7159A	X = 214015 Y = 1678446 Z = -390817	13 24 15	LAT. = -13 0 20.8 LONG. = 82 44 .8 RAD. = 1736583.2	2.1 1.7 21.6
81591	X = 214029 Y = 1678369 Z = -390859	12 17 15	LAT. = -13 0 27.7 LONG. = 82 43 57.8 RAD. = 1736520.1	1.6 1.4 18.2
81593	X = 226814 Y = 1668781 Z = -424529	13 22 15	LAT. = -14 8 53.5 LONG. = 82 15 36.0 RAD. = 1736807.4	1.6 1.6 22.8
62450	X = 192470 Y = 1707962 Z = -262878	10 14 9	LAT. = - 8 41 44.7 LONG. = 83 34 13.7 RAD. = 1738759.1	1.1 1.2 14.0
62432	X = 191858 Y = 1697967 Z = -315412	12 23 11	LAT. = -10 27 29.4 LONG. = 83 33 12.0 RAD. = 1737637.8	1.4 1.6 22.0
62433	X = 198357 Y = 1694599 Z = -329050	11 19 11	LAT. = -10 54 57.5 LONG. = 83 19 25.6 RAD. = 1737608.9	1.4 1.4 18.1
81590	X = 194245 Y = 1683125 Z = -380470	11 16 12	LAT. = -12 39 22.8 LONG. = 83 25 .4 RAD. = 1736490.5	1.4 1.4 16.3
62428	X = 163691 Y = 1707588 Z = -269707	9 14 9	LAT. = - 8 56 6.7 LONG. = 84 31 27.5 RAD. = 1736488.3	1.1 1.1 13.9
21899	X = 152886 Y = 1705648 Z = -299755	11 18 12	LAT. = - 9 55 42.7 LONG. = 84 52 40.7 RAD. = 1738522.8	1.6 1.4 17.1
62298	X = 151832 Y = 1694137 Z = -349394	12 23 12	LAT. = -11 36 28.3 LONG. = 84 52 43.3 RAD. = 1736441.2	1.5 1.5 21.6
81580	X = 173445 Y = 1678832 Z = -407864	12 18 12	LAT. = -13 35 8.0 LONG. = 84 6 5.6 RAD. = 1736350.6	1.5 1.4 17.9

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

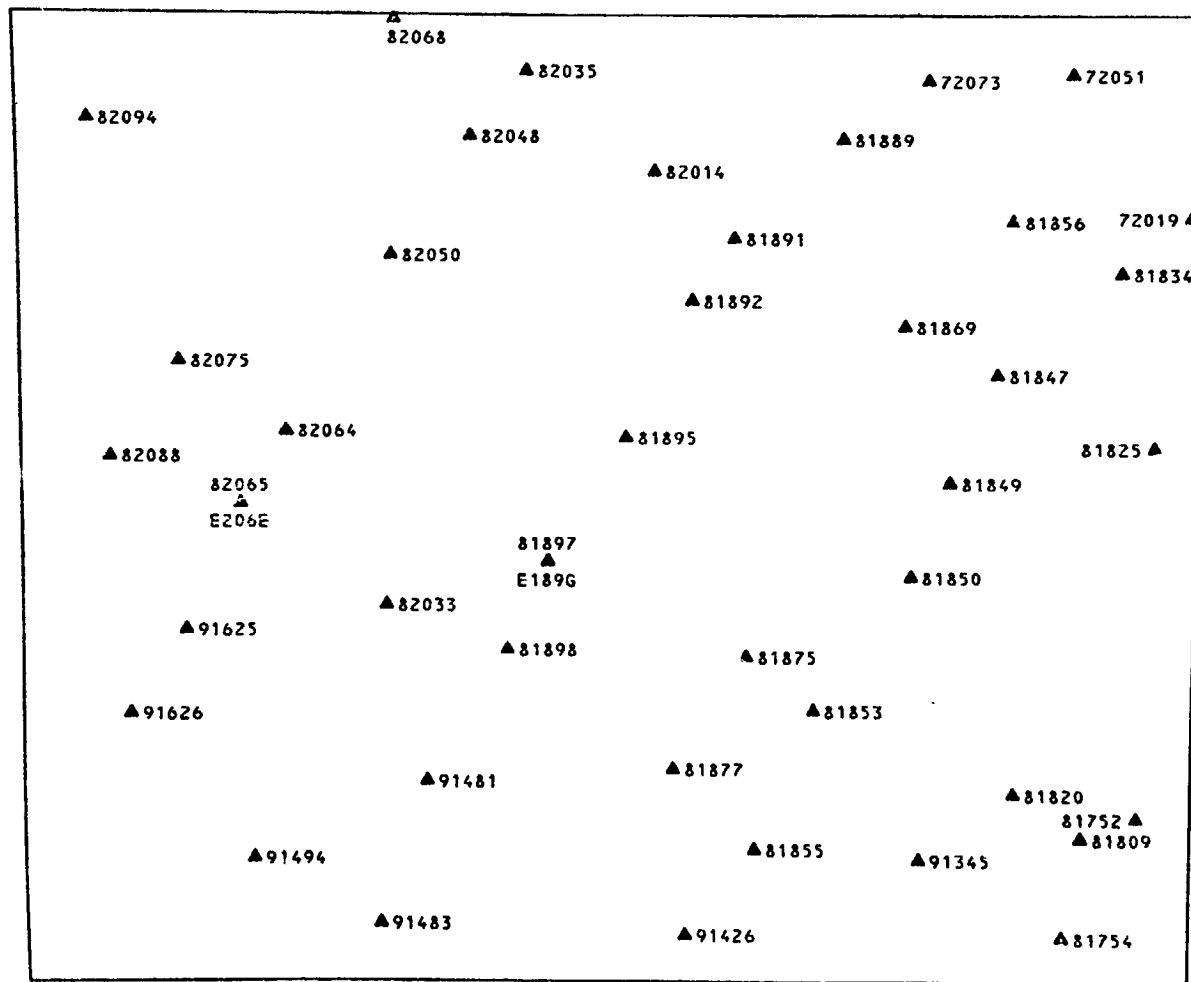
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81560	X = 153018 Y = 1670502 Z = -448618	11 17 14	LAT. = -14 58 20.7 LONG. = 84 45 58.7 RAD. = 1736446.9	1.5 1.4 18.0
62294	X = 122741 Y = 1710285 Z = -288103	9 14 9	LAT. = -9 32 16.1 LONG. = 85 53 42.4 RAD. = 1738719.4	1.1 1.1 13.7
62287	X = 121727 Y = 1696881 Z = -355231	10 17 11	LAT. = -11 47 39.4 LONG. = 85 53 48.8 RAD. = 1737933.2	1.3 1.3 16.6
81546	X = 124243 Y = 1684100 Z = -404285	11 16 12	LAT. = -13 27 49.4 LONG. = 85 46 50.5 RAD. = 1736397.6	1.4 1.4 16.4
81558	X = 141232 Y = 1679477 Z = -419308	10 14 12	LAT. = -13 58 15.1 LONG. = 85 11 35.3 RAD. = 1736781.6	1.4 1.3 14.5
62273	X = 91840 Y = 1707951 Z = -305856	10 16 10	LAT. = -10 8 18.4 LONG. = 86 55 19.3 RAD. = 1737550.0	1.2 1.2 15.6
62275	X = 110299 Y = 1701234 Z = -335899	11 20 11	LAT. = -11 8 46.5 LONG. = 86 17 25.6 RAD. = 1737581.7	1.3 1.4 19.5
81525	X = 101570 Y = 1675232 Z = -445646	11 16 12	LAT. = -14 52 14.7 LONG. = 86 31 49.4 RAD. = 1736467.4	1.4 1.3 15.8
62271	X = 85179 Y = 1709948 Z = -289699	10 16 12	LAT. = -9 36 14.5 LONG. = 87 8 53.6 RAD. = 1736405.4	1.3 1.2 16.9
21855	X = 77370 Y = 1705187 Z = -328390	11 18 12	LAT. = -10 53 23.3 LONG. = 87 24 7.4 RAD. = 1738243.4	1.6 1.4 17.1
62254	X = 85010 Y = 1695201 Z = -368469	11 19 11	LAT. = -12 14 53.3 LONG. = 87 7 45.1 RAD. = 1736865.6	1.4 1.3 18.0
71597	X = 61074 Y = 1681911 Z = -428394	12 18 14	LAT. = -14 16 50.6 LONG. = 87 55 13.4 RAD. = 1736685.0	1.5 1.5 18.6

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1289	X = 72847 Y = 1673260 Z = -457985	11 15 12	LAT. = -15 17 37.0 LONG. = 87 30 25.8 RAD. = 1736334.3	1.5 1.4 15.5
2830	X = 48183 Y = 1717558 Z = -258169	10 17 11	LAT. = - 8 32 41.7 LONG. = 88 23 35.1 RAD. = 1737520.6	1.2 1.3 17.0
Z1851	X = 57028 Y = 1714854 Z = -274863	10 17 10	LAT. = - 9 6 4.2 LONG. = 88 5 43.1 RAD. = 1737678.1	1.3 1.3 17.0
62249	X = 44063 Y = 1712804 Z = -298525	9 15 10	LAT. = - 9 53 .9 LONG. = 88 31 34.9 RAD. = 1739182.8	1.1 1.1 15.2
52099	X = 54181 Y = 1706982 Z = -319922	14 23 15	LAT. = -10 36 36.0 LONG. = 88 10 55.2 RAD. = 1737548.5	2.0 1.7 21.6
62251	X = 58543 Y = 1706120 Z = -323831	9 15 10	LAT. = -10 44 27.7 LONG. = 88 2 5.1 RAD. = 1737567.1	1.2 1.1 14.8
62232	X = 50223 Y = 1691165 Z = -389843	10 18 11	LAT. = -12 58 31.4 LONG. = 88 17 56.3 RAD. = 1736243.0	1.4 1.3 17.7
62245	X = 20373 Y = 1717075 Z = -242855	8 12 8	LAT. = - 8 2 58.9 LONG. = 89 19 12.8 RAD. = 1734284.1	1.0 1.0 12.2
62247	X = 29499 Y = 1715564 Z = -266048	10 19 12	LAT. = - 8 48 50.0 LONG. = 89 0 53.6 RAD. = 1736320.9	1.3 1.2 19.6
B2246	X = 29501 Y = 1715517 Z = -266060	13 23 15	LAT. = - 8 48 52.2 LONG. = 89 0 53.3 RAD. = 1736276.8	2.0 1.6 21.5
52095	X = 27427 Y = 1715426 Z = -267081	12 22 12	LAT. = - 8 50 54.3 LONG. = 89 5 2.5 RAD. = 1736309.8	1.5 1.5 21.5
62216	X = 12104 Y = 1707907 Z = -322506	11 17 13	LAT. = -10 41 34.9 LONG. = 89 35 38.2 RAD. = 1738132.4	1.4 1.3 18.0

TERRAIN POINTS ON MAP SHEET 81C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62217	X = 21602 Y = 1706699 Z = -327874	9 14 10	LAT. = -10 52 25.5 LONG. = 89 16 29.5 RAD. = 1738042.2	1.1 1.1 14.5
1745	X = 20421 Y = 1706523 Z = -329996	12 35 14	LAT. = -10 56 37.0 LONG. = 89 18 51.9 RAD. = 1738256.2	1.5 1.4 35.4
21699	X = 8230 Y = 1699353 Z = -355352	11 19 12	LAT. = -11 48 38.9 LONG. = 89 43 21.1 RAD. = 1736128.5	1.7 1.4 17.3
62210	X = 16979 Y = 1689183 Z = -399974	10 18 11	LAT. = -13 19 14.9 LONG. = 89 25 26.8 RAD. = 1735974.8	1.4 1.2 17.7



TERRAIN POINTS ON MAP SHEET 81D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82094	X = 569666 Y = 1618090 Z = -267513	14 19 13	LAT. = - 8 51 48.8 LONG. = 70 36 17.4 RAD. = 1736172.8	1.4 1.6 19.7
82088	X = 560558 Y = 1605982 Z = -350872	13 16 11	LAT. = -11 39 18.5 LONG. = 70 45 31.6 RAD. = 1736812.0	1.3 1.5 15.6
91626	X = 551513 Y = 1594055 Z = -413911	13 18 11	LAT. = -13 47 14.1 LONG. = 70 54 55.2 RAD. = 1736807.6	1.4 1.7 16.9
82075	X = 545768 Y = 1616881 Z = -327546	15 29 13	LAT. = -10 51 54.6 LONG. = 71 20 53.6 RAD. = 1737656.9	1.6 1.8 28.8
82065	X = 528747 Y = 1613929 Z = -362330	14 25 14	LAT. = -12 2 35.4 LONG. = 71 51 37.6 RAD. = 1736554.7	1.9 2.0 22.9
E206E	X = 528764 Y = 1613893 Z = -362340	19 20 19	LAT. = -12 2 37.4 LONG. = 71 51 34.3 RAD. = 1736529.3	2.1 2.1 23.1
91625	X = 539670 Y = 1602581 Z = -393386	14 17 12	LAT. = -13 5 45.7 LONG. = 71 23 20.5 RAD. = 1736163.6	1.4 1.7 17.7
91494	X = 519587 Y = 1594953 Z = -448948	14 20 12	LAT. = -14 58 59.9 LONG. = 71 57 21.5 RAD. = 1736490.8	1.4 1.7 20.6
82064	X = 518800 Y = 1621370 Z = -344627	12 17 11	LAT. = -11 26 39.9 LONG. = 72 15 23.6 RAD. = 1736882.6	1.3 1.5 16.4
82068	X = 497679 Y = 1648036 Z = -243169	14 18 13	LAT. = - 8 2 23.6 LONG. = 73 11 47.6 RAD. = 1738631.1	1.5 1.7 17.2
82048	X = 477727 Y = 1647993 Z = -271723	16 18 14	LAT. = - 8 5 55.4 LONG. = 73 5 2.3 RAD. = 1737221.4	1.5 1.7 19.4
82050	X = 495578 Y = 1636960 Z = -301087	15 22 14	LAT. = - 9 59 2.6 LONG. = 73 9 24.1 RAD. = 1736631.4	1.5 1.7 23.3

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

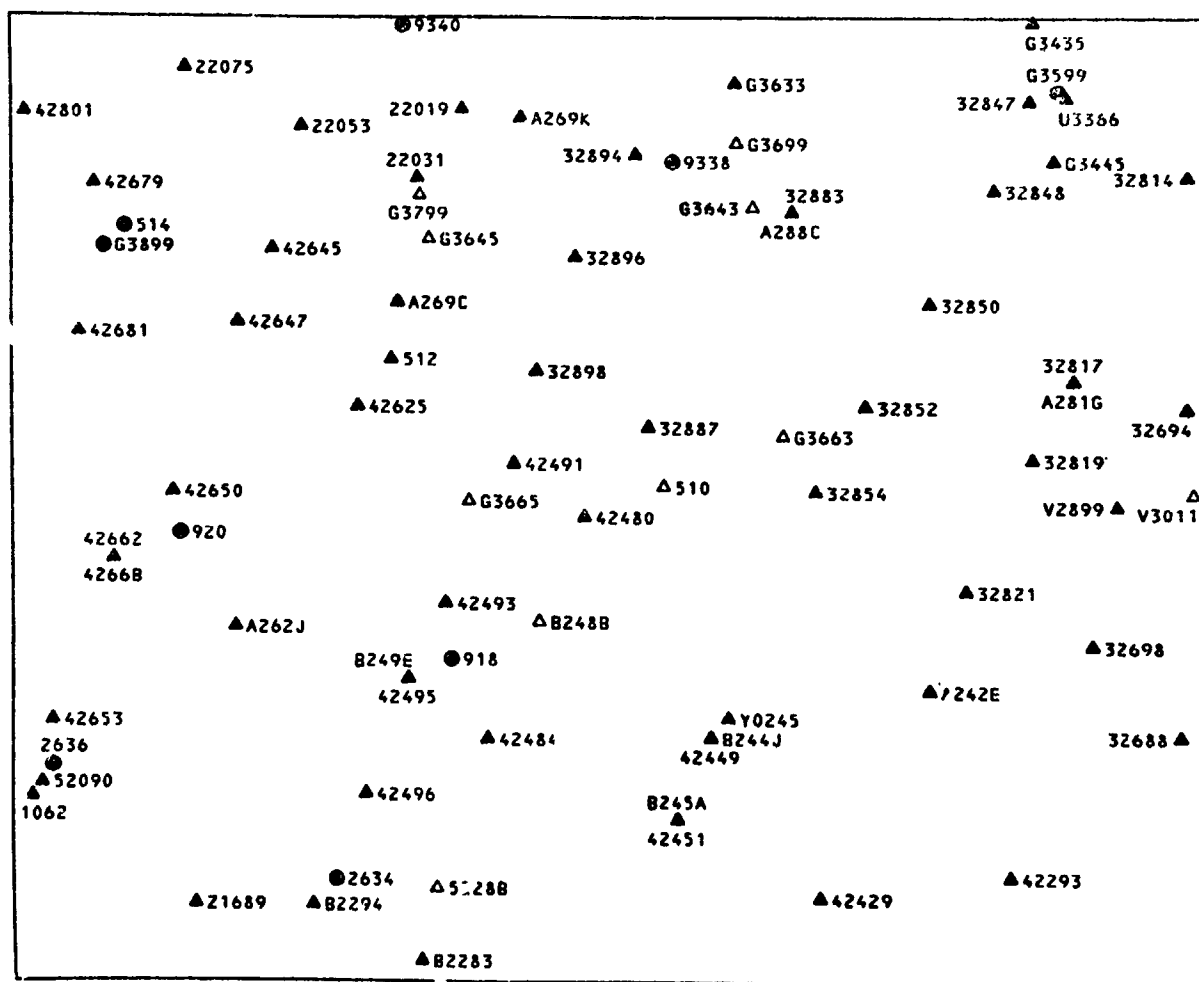
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
82033	X = 492161 Y = 1619888 Z = -387376	12 16 11	LAT. = -12 53 16.8 LONG. = 73 5 59.8 RAD. = 1756755.9	1.3 1.5 15.6
91481	X = 479635 Y = 1613361 Z = -430612	13 16 12	LAT. = -14 21 2.1 LONG. = 73 26 36.1 RAD. = 1737357.6	1.4 1.6 16.4
91483	X = 488129 Y = 1600235 Z = -464681	15 22 14	LAT. = -15 31 21.3 LONG. = 73 2 11.1 RAD. = 1736361.3	1.6 1.9 21.6
82035	X = 464636 Y = 1654874 Z = -255714	13 16 11	LAT. = - 8 27 42.4 LONG. = 74 19 1.1 RAD. = 1737781.4	1.3 1.5 15.9
81897	X = 453608 Y = 1634960 Z = -376939	12 18 11	LAT. = -12 31 31.0 LONG. = 74 29 37.3 RAD. = 1738084.9	1.4 1.5 18.1
E189G	X = 453690 Y = 1634905 Z = -377091	17 19 20	LAT. = -12 31 49.5 LONG. = 74 29 26.0 RAD. = 1738087.2	2.1 1.9 22.5
81898	X = 461934 Y = 1626286 Z = -398346	12 15 10	LAT. = -13 15 29.8 LONG. = 74 8 35.6 RAD. = 1736913.5	1.2 1.4 14.7
82014	X = 432486 Y = 1660518 Z = -280818	14 19 13	LAT. = - 9 17 39.6 LONG. = 75 24 5.4 RAD. = 1738741.5	1.5 1.7 19.8
81892	X = 420798 Y = 1653741 Z = -312141	13 17 13	LAT. = -10 21 57.4 LONG. = 75 43 26.1 RAD. = 1734751.3	1.5 1.5 18.6
81895	X = 436226 Y = 1646949 Z = -346588	14 22 13	LAT. = -11 29 55.1 LONG. = 75 9 53.2 RAD. = 1738636.8	1.5 1.7 22.5
81877	X = 419589 Y = 1630462 Z = -427438	13 16 12	LAT. = -14 14 44.1 LONG. = 75 34 6.4 RAD. = 1736998.7	1.4 1.5 16.0
91426	X = 413985 Y = 1620934 Z = -467591	12 16 11	LAT. = -15 36 56.2 LONG. = 75 40 22.7 RAD. = 1737081.8	1.4 1.5 15.8

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81891	X = 411439 Y = 1660627 Z = -297042	14 18 16	LAT. = - 9 50 58.9 LONG. = 76 5 4.4 RAD. = 1736433.0	1.8 1.6 19.9
81875	X = 403328 Y = 1641573 Z = -400119	13 17 12	LAT. = -13 19 .9 LONG. = 76 11 45.9 RAD. = 1737104.5	1.3 1.5 17.8
81853	X = 386091 Y = 1642425 Z = -413228	12 17 11	LAT. = -13 45 43.2 LONG. = 76 46 17.2 RAD. = 1737061.8	1.3 1.4 16.5
81855	X = 398416 Y = 1630653 Z = -446949	11 15 11	LAT. = -14 54 34.8 LONG. = 76 16 11.9 RAD. = 1737103.6	1.3 1.4 14.5
72073	X = 365386 Y = 1679389 Z = -258227	12 20 12	LAT. = - 8 32 40.7 LONG. = 77 43 31.4 RAD. = 1737969.4	1.5 1.5 19.0
81889	X = 385898 Y = 1672007 Z = -272702	13 17 13	LAT. = - 9 1 47.9 LONG. = 77 0 13.5 RAD. = 1737495.3	1.5 1.6 17.3
81869	X = 369042 Y = 1669822 Z = -319384	13 17 12	LAT. = -10 34 43.7 LONG. = 77 32 15.3 RAD. = 1739684.8	1.5 1.6 16.7
81849	X = 355628 Y = 1663070 Z = -357599	12 17 13	LAT. = -11 52 28.5 LONG. = 77 55 47.2 RAD. = 1737857.5	1.4 1.5 17.8
81850	X = 364009 Y = 1655847 Z = -380582	12 19 13	LAT. = -12 39 7.4 LONG. = 77 36 6.2 RAD. = 1737577.5	1.4 1.5 19.2
91345	X = 357622 Y = 1638768 Z = -449235	16 19 20	LAT. = -14 59 36.4 LONG. = 77 41 22.4 RAD. = 1736452.4	2.1 1.8 22.3
72051	X = 329767 Y = 1685512 Z = -256459	11 19 11	LAT. = - 8 29 34.3 LONG. = 78 55 48.1 RAD. = 1736510.1	1.3 1.4 18.6
81856	X = 343302 Y = 1678433 Z = -293041	12 16 11	LAT. = - 9 42 23.6 LONG. = 78 26 25.2 RAD. = 1738063.7	1.3 1.4 15.6

TERRAIN POINTS ON MAP SHEET 81D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81847	X = 345309 Y = 1670303 Z = -330872	11 15 11	LAT. = -10 58 42.2 LONG. = 78 19 10.4 RAD. = 1737419.9	1.3 1.4 15.2
81820	X = 335709 Y = 1648035 Z = -433402	12 17 12	LAT. = -14 27 .4 LONG. = 78 29 10.4 RAD. = 1736823.8	1.4 1.5 17.8
81754	X = 321419 Y = 1641161 Z = -467963	11 16 11	LAT. = -15 37 58.6 LONG. = 78 55 8.3 RAD. = 1736579.8	1.3 1.4 15.8
72019	X = 299379 Y = 1686175 Z = -291977	11 20 12	LAT. = - 9 40 31.8 LONG. = 79 55 55.6 RAD. = 1737257.9	1.5 1.4 18.8
81834	X = 315967 Y = 1680795 Z = -305677	12 16 12	LAT. = -10 8 1.2 LONG. = 79 21 12.3 RAD. = 1737338.9	1.4 1.4 16.0
81825	X = 305738 Y = 1673472 Z = -348589	12 18 13	LAT. = -11 34 48.8 LONG. = 79 38 47.1 RAD. = 1736519.1	1.5 1.5 18.5
81752	X = 305241 Y = 1652821 Z = -439262	11 16 11	LAT. = -14 38 47.1 LONG. = 79 32 11.7 RAD. = 1737222.2	1.3 1.4 15.8
81809	X = 318416 Y = 1648323 Z = -443997	11 15 11	LAT. = -14 48 50.5 LONG. = 79 3 59.5 RAD. = 1736516.3	1.3 1.4 15.2



○ RANGE	▲ $\sigma < 30M$
OBSERVATION	△ $\sigma < 100M$
	▽ $\sigma > 100M$

MAP SHEET 82A

TERRAIN POINTS ON MAP SHEET 82A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42801	X = -3292 Y = 1733555 Z = -23830	8 12 8	LAT. = - 0 47 15.2 LONG. = 90 6 31.7 RAD. = 1733721.6	.9 .9 11.5
42679	X = -20892 Y = 1733110 Z = -41694	9 16 10	LAT. = - 1 22 40.9 LONG. = 90 41 26.3 RAD. = 1733737.1	1.1 1.1 16.0
514	X = -28746 Y = 1732723 Z = -52424	12 11 12	LAT. = - 1 43 57.8 LONG. = 90 57 1.7 RAD. = 1733753.9	1.4 1.4 11.0
G3899	X = -23495 Y = 1732639 Z = -57418	17 14 17	LAT. = - 1 53 52.3 LONG. = 90 46 36.8 RAD. = 1733749.1	2.0 2.1 13.8
42681	X = -17088 Y = 1732005 Z = -79054	9 16 9	LAT. = - 2 36 47.6 LONG. = 90 33 55.0 RAD. = 1733892.3	1.1 1.1 16.0
42662	X = -25672 Y = 1728272 Z = -135884	8 13 9	LAT. = - 4 29 42.3 LONG. = 90 51 3.6 RAD. = 1733795.6	1.0 1.0 12.7
4266B	X = -25655 Y = 1728217 Z = -135889	12 22 12	LAT. = - 4 29 43.4 LONG. = 90 51 1.8 RAD. = 1733741.4	1.4 1.5 21.8
42653	X = -10026 Y = 1725425 Z = -176484	8 12 8	LAT. = - 5 50 24.3 LONG. = 90 19 58.6 RAD. = 1734453.9	1.0 1.0 12.5
2636	X = -10130 Y = 1724635 Z = -187631	10 11 10	LAT. = - 6 12 32.2 LONG. = 90 20 11.6 RAD. = 1734841.0	1.2 1.2 11.3
52090	X = -7439 Y = 1724238 Z = -192033	8 13 9	LAT. = - 6 21 17.8 LONG. = 90 14 49.9 RAD. = 1734914.5	1.0 1.0 13.4
1062	X = -4929 Y = 1723680 Z = -195354	12 22 12	LAT. = - 6 27 57.6 LONG. = 90 9 49.8 RAD. = 1734722.1	1.4 1.4 21.7
22075	X = -44025 Y = 1733113 Z = -12671	8 14 8	LAT. = - 0 25 7.6 LONG. = 91 27 18.5 RAD. = 1733718.3	1.0 1.0 13.7

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42647	X = -57433 Y = 1731434 Z = -76559	9 15 9	LAT. = - 2 31 49.5 LONG. = 91 53 59.5 RAD. = 1734077.5	1.1 1.1 15.4
42650	X = -40829 Y = 1729540 Z = -119098	8 12 8	LAT. = - 3 56 17.3 LONG. = 91 21 8.4 RAD. = 1734116.4	1.0 .9 12.2
920	X = -42655 Y = 1729480 Z = -129548	12 12 12	LAT. = - 4 16 56.9 LONG. = 91 24 46.2 RAD. = 1734849.3	1.4 1.4 12.1
A262J	X = -56545 Y = 1727676 Z = -153118	14 22 15	LAT. = - 5 3 43.2 LONG. = 91 52 28.5 RAD. = 1735369.7	2.0 1.6 21.6
21689	X = -45971 Y = 1724339 Z = -222835	11 16 14	LAT. = - 7 21 39.3 LONG. = 91 31 37.8 RAD. = 1739285.3	1.5 1.3 16.8
22053	X = -73676 Y = 1732161 Z = -27387	8 12 8	LAT. = - 0 54 18.0 LONG. = 92 26 8.0 RAD. = 1733943.1	.9 .9 12.3
42645	X = -66249 Y = 1731860 Z = -58206	8 12 8	LAT. = - 1 55 24.7 LONG. = 92 11 26.4 RAD. = 1734104.0	1.0 1.0 12.4
42625	X = -88045 Y = 1729093 Z = -97772	10 17 10	LAT. = - 3 13 55.9 LONG. = 92 54 53.9 RAD. = 1734091.3	1.1 1.1 17.0
42496	X = -89427 Y = 1721955 Z = -194897	10 16 10	LAT. = - 6 26 55.8 LONG. = 92 58 22.4 RAD. = 1735254.9	1.1 1.2 16.5
2634	X = -81723 Y = 1719709 Z = -216167	12 12 12	LAT. = - 7 9 23.4 LONG. = 92 43 14.6 RAD. = 1735167.6	1.4 1.4 11.8
B2294	X = -75697 Y = 1719239 Z = -222490	8 13 8	LAT. = - 7 22 .1 LONG. = 92 31 15.9 RAD. = 1735227.9	1.0 1.0 12.9
9340	X = -99686 Y = 1732587 Z = -1979	11 11 11	LAT. = - 0 3 55.2 LONG. = 93 17 34.6 RAD. = 1735454.0	1.3 1.3 11.3

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
22019	X = -114835 Y = 1732590 Z = -23136	11 23 11	LAT. = - 0 45 48.1 LONG. = 93 47 31.1 RAD. = 1736545.9	1.3 1.2 22.8
22031	X = -103577 Y = 1734944 Z = -40483	9 14 9	LAT. = - 1 20 3.5 LONG. = 93 24 59.5 RAD. = 1738504.9	1.1 1.1 13.7
G3799	X = -104164 Y = 1734232 Z = -44755	38 70 26	LAT. = - 1 28 32.3 LONG. = 93 26 14.1 RAD. = 1737934.1	3.1 4.2 71.6
G3645	X = -106374 Y = 1731029 Z = -55684	19 34 19	LAT. = - 1 50 20.4 LONG. = 93 30 59.3 RAD. = 1735188.4	2.3 2.4 33.8
A269C	X = -98305 Y = 1729706 Z = -71550	12 22 12	LAT. = - 2 21 53.6 LONG. = 93 15 10.1 RAD. = 1733973.6	1.4 1.4 21.7
512	X = -96767 Y = 1730172 Z = -85911	12 21 12	LAT. = - 2 50 17.7 LONG. = 93 12 4.2 RAD. = 1735004.3	1.4 1.4 21.5
G3665	X = -116519 Y = 1730263 Z = -121705	22 39 30	LAT. = - 4 0 51.9 LONG. = 93 51 9.3 RAD. = 1738447.5	3.8 2.6 37.5
42493	X = -110184 Y = 1725090 Z = -147111	9 14 11	LAT. = - 4 51 51.8 LONG. = 93 39 16.6 RAD. = 1734853.6	1.2 1.1 14.4
918	X = -111625 Y = 1724412 Z = -161141	14 13 14	LAT. = - 5 19 39.1 LONG. = 93 42 13.4 RAD. = 1735518.1	1.6 1.7 12.4
B249E	X = -100561 Y = 1724603 Z = -166104	13 21 17	LAT. = - 5 29 31.9 LONG. = 93 20 13.6 RAD. = 1735499.1	1.9 1.6 22.0
42495	X = -100541 Y = 1724591 Z = -166143	9 15 11	LAT. = - 5 29 36.5 LONG. = 93 20 11.4 RAD. = 1735490.6	1.2 1.1 15.3
5228B	X = -107174 Y = 1716021 Z = -217992	15 37 36	LAT. = - 7 13 32.8 LONG. = 93 34 25.5 RAD. = 1733128.5	3.8 1.9 40.1

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B2283	X = -103344 Y = 1716453 Z = -236430	8 13 9	LAT. = - 7 49 43.5 LONG. = 93 26 43.8 RAD. = 1735739.4	1.0 1.0 15.5
A269K	X = -129762 Y = 1732998 Z = -25365	12 21 15	LAT. = - 0 50 10.3 LONG. = 94 16 55.7 RAD. = 1738034.7	1.8 1.5 20.8
32896	X = -143386 Y = 1728372 Z = -60265	8 13 8	LAT. = - 1 59 24.5 LONG. = 94 44 32.7 RAD. = 1735356.5	1.0 1.0 13.0
32898	X = -133614 Y = 1729154 Z = -88884	9 13 9	LAT. = - 2 56 1.9 LONG. = 94 25 6.7 RAD. = 1736584.4	1.1 1.1 13.2
42491	X = -127954 Y = 1731214 Z = -112397	18 26 16	LAT. = - 3 42 16.5 LONG. = 94 13 37.3 RAD. = 1739571.2	1.8 2.0 27.0
42480	X = -145749 Y = 1728082 Z = -125726	13 24 16	LAT. = - 4 8 47.6 LONG. = 94 49 15.6 RAD. = 1738769.1	1.8 1.6 24.9
B248B	X = -133819 Y = 1723338 Z = -151779	16 37 36	LAT. = - 5 1 5.4 LONG. = 94 26 24.6 RAD. = 1735176.6	3.9 2.0 38.6
42484	X = -120524 Y = 1721421 Z = -181066	9 14 9	LAT. = - 5 59 23.9 LONG. = 94 0 17.9 RAD. = 1735108.2	1.1 1.1 14.6
32894	X = -158750 Y = 1728910 Z = -34613	9 15 9	LAT. = - 1 8 31.6 LONG. = 95 14 46.5 RAD. = 1736528.4	1.0 1.1 14.9
9338	X = -168326 Y = 1729473 Z = -36294	13 11 13	LAT. = - 1 11 47.6 LONG. = 95 33 32.3 RAD. = 1738024.2	1.5 1.6 11.2
32887	X = -162053 Y = 1727918 Z = -103256	11 15 10	LAT. = - 3 24 17.6 LONG. = 95 21 28.1 RAD. = 1738569.1	1.2 1.2 15.1
510	X = -165889 Y = 1726586 Z = -118099	15 38 14	LAT. = - 3 53 42.3 LONG. = 95 29 17.0 RAD. = 1738553.2	1.7 2.0 37.1

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

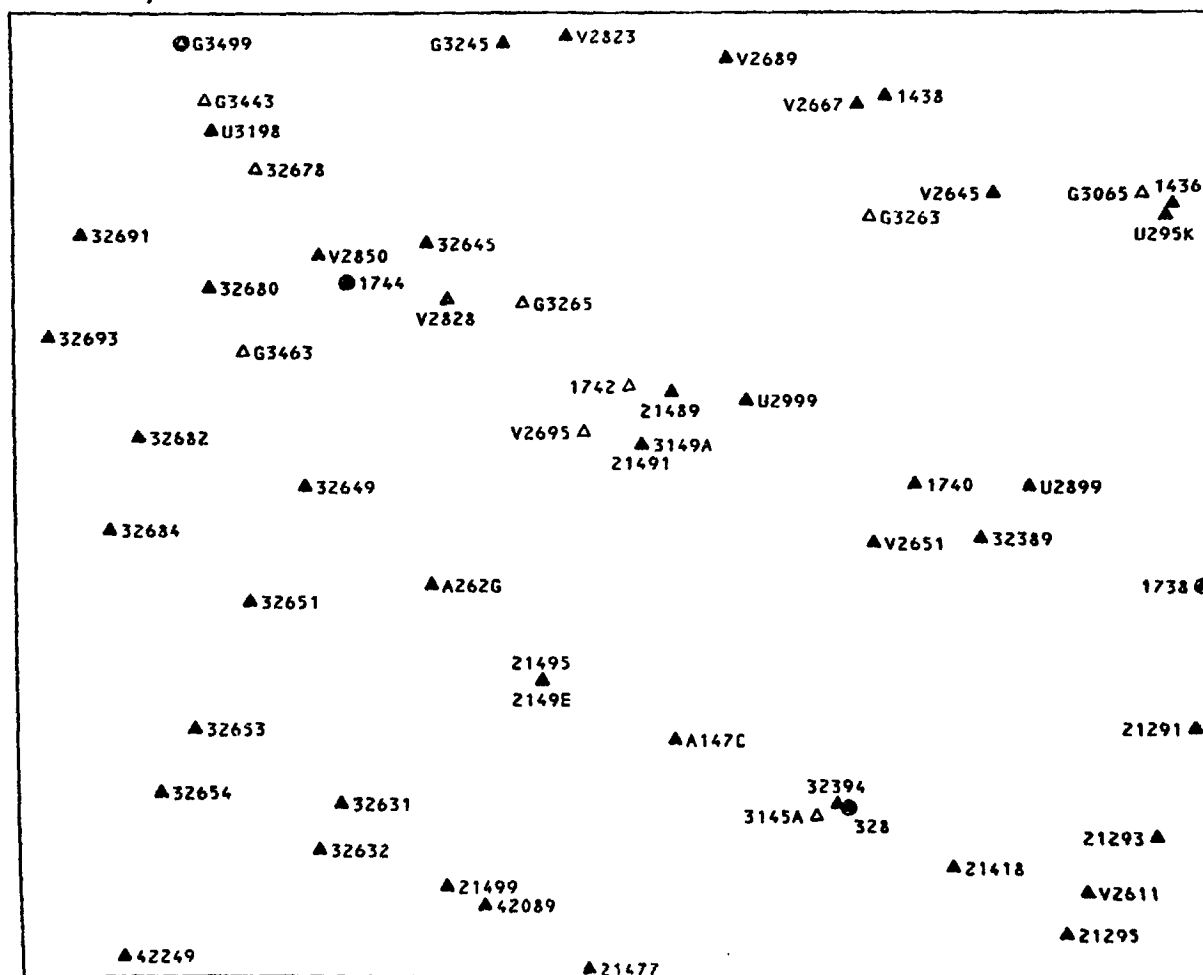
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B244J	X = -177142 Y = 1719034 Z = -181025	13 22 19	LAT. = - 5 58 48.0 LONG. = 95 53 .3 RAD. = 1737592.3	2.1 1.7 22.6
42449	X = -177117 Y = 1719060 Z = -181061	10 16 10	LAT. = - 5 58 52.1 LONG. = 95 52 57.0 RAD. = 1737618.9	1.2 1.3 15.7
B245A	X = -168490 Y = 1716992 Z = -201347	13 22 17	LAT. = - 6 39 24.0 LONG. = 95 36 16.4 RAD. = 1736948.3	1.8 1.6 22.4
42451	X = -168455 Y = 1717003 Z = -201391	9 13 9	LAT. = - 6 39 29.2 LONG. = 95 36 12.1 RAD. = 1736961.2	1.0 1.0 13.5
G3633	X = -183996 Y = 1727080 Z = -16573	19 29 17	LAT. = - 0 32 48.1 LONG. = 96 4 52.1 RAD. = 1736933.0	2.0 2.2 29.8
G3699	X = -184453 Y = 1727381 Z = -31673	22 39 22	LAT. = - 1 2 40.2 LONG. = 96 5 42.2 RAD. = 1737490.0	2.6 2.6 39.2
G3643	X = -188553 Y = 1727572 Z = -47930	82 90 53	LAT. = - 1 34 47.5 LONG. = 96 13 43.7 RAD. = 1738492.2	6.5 8.6 96.7
32883	X = -198089 Y = 1724550 Z = -49025	11 21 11	LAT. = - 1 37 3.8 LONG. = 96 33 9.1 RAD. = 1736582.0	1.3 1.3 21.4
A288C	X = -198096 Y = 1724549 Z = -49068	13 22 17	LAT. = - 1 37 8.9 LONG. = 96 33 9.9 RAD. = 1736582.9	2.0 1.6 21.8
G3663	X = -195886 Y = 1723565 Z = -105264	22 40 30	LAT. = - 3 28 21.4 LONG. = 96 29 2.1 RAD. = 1737851.9	3.7 2.7 38.3
32854	X = -203998 Y = 1721432 Z = -119227	9 13 9	LAT. = - 3 56 4.3 LONG. = 96 45 29.9 RAD. = 1737572.7	1.0 1.0 12.8
Y0245	X = -181791 Y = 1720272 Z = -176244	13 17 15	LAT. = - 5 49 2.8 LONG. = 96 1 56.6 RAD. = 1738805.7	1.7 1.5 17.6

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42429	X = -204155 Y = 1712104 Z = -221025	9 14 9	LAT. = - 7 18 17.1 LONG. = 96 47 59.9 RAD. = 1738341.1	1.1 1.1 13.6
32850	X = -232036 Y = 1718234 Z = -71883	9 13 8	LAT. = - 2 22 26.7 LONG. = 97 41 27.2 RAD. = 1735319.7	1.0 1.0 13.5
32852	X = -216588 Y = 1721165 Z = -97841	10 15 10	LAT. = - 3 13 41.2 LONG. = 97 10 20.3 RAD. = 1737495.8	1.3 1.1 15.2
A242E	X = -231730 Y = 1713543 Z = -169035	12 22 12	LAT. = - 5 34 59.9 LONG. = 97 42 5.9 RAD. = 1737383.2	1.5 1.5 21.6
G3435	X = -257940 Y = 1717193 Z = -1266	17 27 16	LAT. = - 0 2 30.3 LONG. = 98 32 33.2 RAD. = 1736457.8	1.9 2.0 27.2
G3599	X = -264074 Y = 1715009 Z = -18388	17 15 16	LAT. = - 0 36 25.7 LONG. = 98 45 12.8 RAD. = 1735318.5	1.9 2.0 15.4
U3366	X = -266077 Y = 1714653 Z = -20306	14 21 16	LAT. = - 0 40 13.8 LONG. = 98 49 14.5 RAD. = 1735293.9	1.9 1.5 21.5
32847	X = -256996 Y = 1715842 Z = -21032	9 15 9	LAT. = - 0 41 40.3 LONG. = 98 31 6.0 RAD. = 1735108.7	1.0 1.1 14.5
G3445	X = -263025 Y = 1714507 Z = -36025	17 28 18	LAT. = - 1 11 23.3 LONG. = 98 43 18.5 RAD. = 1734939.2	2.2 2.0 27.7
32848	X = -248172 Y = 1716573 Z = -43336	9 15 9	LAT. = - 1 25 52.6 LONG. = 98 13 35.4 RAD. = 1734961.2	1.0 1.1 15.5
32817	X = -268607 Y = 1716442 Z = -91244	11 20 11	LAT. = - 3 0 22.9 LONG. = 98 53 38.8 RAD. = 1739726.8	1.4 1.2 20.0
A281G	X = -268571 Y = 1716485 Z = -91275	13 21 16	LAT. = - 3 0 26.5 LONG. = 98 53 33.9 RAD. = 1739764.7	1.8 1.6 21.2

TERRAIN POINTS ON MAP SHEET 82A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32819	X = -258184 Y = 1715945 Z = -110954	9 14 9	LAT. = - 3 39 30.8 LONG. = 98 33 23.9 RAD. = 1738803.8	1.1 1.1 14.1
32821	X = -241123 Y = 1715262 Z = -144046	11 19 11	LAT. = - 4 45 13.9 LONG. = 98 0 6.9 RAD. = 1738106.7	1.3 1.3 18.5
42293	X = -251577 Y = 1706289 Z = -215551	10 15 10	LAT. = - 7 7 25.2 LONG. = 98 23 14.4 RAD. = 1738153.0	1.2 1.2 14.8
32814	X = -296497 Y = 1713337 Z = -40103	10 18 9	LAT. = - 1 19 16.4 LONG. = 99 49 4.5 RAD. = 1739265.2	1.1 1.2 17.9
32694	X = -296262 Y = 1710265 Z = -98071	9 13 9	LAT. = - 3 14 1.9 LONG. = 99 49 39.3 RAD. = 1738504.1	1.0 1.1 13.5
V3011	X = -297977 Y = 1709854 Z = -119522	12 33 24	LAT. = - 3 56 21.8 LONG. = 99 53 8.4 RAD. = 1739734.7	3.1 1.6 31.3
V2899	X = -278977 Y = 1711591 Z = -122674	13 19 15	LAT. = - 4 2 46.7 LONG. = 99 15 26.6 RAD. = 1738511.1	1.8 1.4 19.5
32698	X = -272664 Y = 1709678 Z = -157628	10 14 10	LAT. = - 5 12 8.1 LONG. = 99 3 41.0 RAD. = 1738445.0	1.2 1.2 13.7
32688	X = -294476 Y = 1704908 Z = -180280	11 15 10	LAT. = - 5 56 55.3 LONG. = 99 47 58.6 RAD. = 1739519.2	1.2 1.3 15.5



MAP SHEET 82B

TERRAIN POINTS ON MAP SHEET 82B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32691	X = -318857 Y = 1710006 Z = -55915	10 15 9	LAT. = - 1 50 28.0 LONG. = 100 33 44.5 RAD. = 1740378.1	1.1 1.2 15.1
32693	X = -310007 Y = 1708343 Z = -81655	10 15 9	LAT. = - 2 41 33.4 LONG. = 100 17 7.2 RAD. = 1738162.0	1.1 1.2 15.1
32684	X = -324884 Y = 1705087 Z = -130251	10 14 9	LAT. = - 4 17 29.1 LONG. = 100 47 15.8 RAD. = 1740642.2	1.1 1.2 14.0
42249	X = -324723 Y = 1693191 Z = -236988	13 21 13	LAT. = - 7 49 36.6 LONG. = 100 51 23.2 RAD. = 1740260.1	1.5 1.5 21.1
G3499	X = -344550 Y = 1704528 Z = -7331	23 18 22	LAT. = - 0 14 29.5 LONG. = 101 25 39.6 RAD. = 1739018.2	2.6 2.7 17.5
G3443	X = -349908 Y = 1701960 Z = -21909	28 42 26	LAT. = - 0 43 20.7 LONG. = 101 37 3.5 RAD. = 1737695.0	3.2 2.7 44.5
U3198	X = -351320 Y = 1701191 Z = -29452	14 20 14	LAT. = - 0 58 16.8 LONG. = 101 40 6.1 RAD. = 1737338.2	1.7 1.5 21.0
32680	X = -350600 Y = 1701920 Z = -69181	11 19 10	LAT. = - 2 16 47.6 LONG. = 101 38 24.9 RAD. = 1739033.6	1.2 1.3 19.3
G3463	X = -358960 Y = 1699881 Z = -85362	23 40 32	LAT. = - 2 48 46.3 LONG. = 101 55 25.9 RAD. = 1739463.7	3.9 2.8 38.5
32682	X = -332536 Y = 1705022 Z = -106896	10 15 9	LAT. = - 3 31 16.7 LONG. = 101 2 9.8 RAD. = 1740432.8	1.1 1.2 15.2
32651	X = -359277 Y = 1696386 Z = -148251	11 15 10	LAT. = - 4 53 12.1 LONG. = 101 57 28.6 RAD. = 1740339.9	1.2 1.2 15.2
32653	X = -344248 Y = 1694365 Z = -179940	11 14 10	LAT. = - 5 56 29.6 LONG. = 101 29 4.5 RAD. = 1738320.2	1.2 1.3 14.2

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32654	X = -335242 Y = 1694541 Z = -195893	10 14 10	LAT. = - 6 28 11.9 LONG. = 101 11 26.5 RAD. = 1738456.5	1.1 1.2 14.0
32678	X = -362260 Y = 1698556 Z = -39216	20 38 29	LAT. = - 1 17 36.7 LONG. = 102 2 21.8 RAD. = 1737199.6	3.5 2.5 37.1
V2850	X = -377747 Y = 1694303 Z = -60973	11 16 10	LAT. = - 2 0 42.0 LONG. = 102 34 7.0 RAD. = 1736972.4	1.2 1.3 16.5
1744	X = -384183 Y = 1690558 Z = -67721	12 13 11	LAT. = - 2 14 13.2 LONG. = 102 48 11.4 RAD. = 1734983.6	1.3 1.4 13.2
32649	X = -373906 Y = 1695404 Z = -119292	11 15 9	LAT. = - 3 55 50.3 LONG. = 102 26 13.1 RAD. = 1740238.9	1.1 1.2 15.1
32631	X = -380499 Y = 1686540 Z = -198968	11 15 10	LAT. = - 6 33 53.3 LONG. = 102 42 48.9 RAD. = 1740340.8	1.2 1.3 15.1
32632	X = -374613 Y = 1686716 Z = -210645	11 15 10	LAT. = - 6 57 3.1 LONG. = 102 31 19.0 RAD. = 1740608.0	1.2 1.3 15.1
32645	X = -404555 Y = 1687840 Z = -58020	13 20 16	LAT. = - 1 54 52.6 LONG. = 103 28 43.9 RAD. = 1736615.7	1.8 1.7 20.0
V2828	X = -409507 Y = 1686426 Z = -72184	12 17 10	LAT. = - 2 22 54.5 LONG. = 103 38 55.3 RAD. = 1736933.8	1.3 1.4 17.5
A262G	X = -404929 Y = 1686714 Z = -144106	13 21 18	LAT. = - 4 44 56.3 LONG. = 103 29 58.2 RAD. = 1740614.4	2.0 1.7 21.4
21499	X = -406073 Y = 1678076 Z = -219580	16 21 14	LAT. = - 7 14 53.0 LONG. = 103 36 12.1 RAD. = 1740416.6	1.8 1.7 21.6
42089	X = -415170 Y = 1674823 Z = -224206	11 14 10	LAT. = - 7 24 11.8 LONG. = 103 55 20.5 RAD. = 1740019.3	1.2 1.3 14.3

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TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2823	X = -440175 Y = 1682617 Z = -5912	11 17 10	LAT. = - 0 11 41.2 LONG. = 104 39 36.5 RAD. = 1739249.5	1.2 1.3 16.7
G3245	X = -425063 Y = 1688040 Z = -7741	19 28 19	LAT. = - 0 15 17.3 LONG. = 104 8 1.5 RAD. = 1740752.2	2.3 2.2 28.2
G3265	X = -428849 Y = 1684078 Z = -73176	25 41 33	LAT. = - 2 24 40.2 LONG. = 104 17 12.0 RAD. = 1739363.7	4.0 2.9 40.0
V2695	X = -443622 Y = 1679989 Z = -105683	24 31 13	LAT. = - 3 28 50.0 LONG. = 104 47 31.3 RAD. = 1740785.0	1.5 2.2 34.7
21495	X = -431651 Y = 1678061 Z = -168047	12 17 11	LAT. = - 5 32 22.4 LONG. = 104 25 32.0 RAD. = 1740819.3	1.3 1.4 17.5
2149E	X = -431693 Y = 1678089 Z = -168270	27 32 19	LAT. = - 5 32 48.4 LONG. = 104 25 36.0 RAD. = 1740878.3	2.6 2.5 34.8
21477	X = -439970 Y = 1666217 Z = -240083	11 15 10	LAT. = - 7 55 51.8 LONG. = 104 47 29.5 RAD. = 1739969.5	1.2 1.3 15.0
V2689	X = -479042 Y = 1670648 Z = -11582	12 18 11	LAT. = - 0 22 54.6 LONG. = 105 59 59.1 RAD. = 1738010.3	1.3 1.4 17.5
1742	X = -454490 Y = 1676380 Z = -94093	14 35 12	LAT. = - 3 6 3.1 LONG. = 105 10 8.6 RAD. = 1739444.0	1.5 2.0 33.7
21489	X = -464948 Y = 1673988 Z = -95542	14 22 18	LAT. = - 3 8 51.7 LONG. = 105 31 21.3 RAD. = 1739983.1	2.0 1.7 22.0
21491	X = -456823 Y = 1672933 Z = -108621	14 22 17	LAT. = - 3 35 2.6 LONG. = 105 16 23.6 RAD. = 1737582.3	1.9 1.7 22.4
3149A	X = -456823 Y = 1672933 Z = -108621	14 22 17	LAT. = - 3 35 2.6 LONG. = 105 16 23.6 RAD. = 1737582.3	1.9 1.7 22.4

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A147C	X = -463714 Y = 1667648 Z = -182946	14 21 18	LAT. = - 6 2 .1 LONG. = 105 32 21.7 RAD. = 1740560.0	1.9 1.7 21.7
U2999	X = -483387 Y = 1669046 Z = -97657	16 21 15	LAT. = - 3 13 .1 LONG. = 106 9 7.3 RAD. = 1740377.2	1.9 1.7 21.7
32394	X = -502208 Y = 1653500 Z = -198733	11 14 10	LAT. = - 6 33 37.1 LONG. = 106 53 41.3 RAD. = 1739473.5	1.2 1.4 14.3
328	X = -504867 Y = 1652383 Z = -199681	17 14 14	LAT. = - 6 35 32.8 LONG. = 106 59 23.8 RAD. = 1739290.8	1.7 2.0 14.2
3145A	X = -497092 Y = 1654786 Z = -201808	15 38 14	LAT. = - 6 39 42.7 LONG. = 106 43 12.2 RAD. = 1739581.7	1.8 2.1 36.4
1438	X = -517556 Y = 1659311 Z = -21034	14 22 11	LAT. = - 0 41 36.0 LONG. = 107 19 23.7 RAD. = 1738280.5	1.4 1.6 22.0
V2667	X = -510621 Y = 1660942 Z = -23182	12 18 11	LAT. = - 0 45 51.6 LONG. = 107 5 20.1 RAD. = 1737814.3	1.3 1.5 17.6
G3263	X = -513759 Y = 1661050 Z = -51431	26 45 33	LAT. = - 1 41 39.6 LONG. = 107 11 12.2 RAD. = 1739448.2	4.0 3.2 43.8
1740	X = -523552 Y = 1655021 Z = -118628	14 21 11	LAT. = - 3 54 34.2 LONG. = 107 33 15.6 RAD. = 1739906.7	1.3 1.6 21.0
V2651	X = -513637 Y = 1657945 Z = -133453	14 20 11	LAT. = - 4 23 48.1 LONG. = 107 12 47.3 RAD. = 1740808.3	1.4 1.6 20.8
21418	X = -529632 Y = 1642938 Z = -214608	12 15 10	LAT. = - 7 5 12.8 LONG. = 107 52 3.7 RAD. = 1739485.9	1.2 1.4 14.8
V2645	X = -543542 Y = 1651236 Z = -45443	13 17 11	LAT. = - 1 29 50.7 LONG. = 108 13 12.5 RAD. = 1738989.5	1.3 1.5 17.3

TERRAIN POINTS ON MAP SHEET 82B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U2899	X = -550598 Y = 1644605 Z = -118949	18 21 15	LAT. = - 3 55 24.6 LONG. = 108 30 36.2 RAD. = 1738399.6	1.9 1.8 22.5
32389	X = -539287 Y = 1649223 Z = -132117	14 22 18	LAT. = - 4 21 15.0 LONG. = 108 6 26.9 RAD. = 1740178.5	2.0 1.9 21.7
V2611	X = -561586 Y = 1632552 Z = -220869	16 20 15	LAT. = - 7 17 25.5 LONG. = 108 58 58.2 RAD. = 1740513.8	1.9 1.7 20.7
21295	X = -556148 Y = 1632738 Z = -231264	13 18 12	LAT. = - 7 38 11.4 LONG. = 108 48 36.0 RAD. = 1740291.9	1.4 1.6 18.2
G3065	X = -578771 Y = 1639481 Z = -45366	28 49 37	LAT. = - 1 29 40.8 LONG. = 109 26 38.8 RAD. = 1739232.9	4.4 3.4 47.9
1436	X = -585826 Y = 1636462 Z = -47891	15 22 12	LAT. = - 1 34 41.7 LONG. = 109 41 47.4 RAD. = 1738819.1	1.4 1.7 22.4
U295K	X = -584058 Y = 1636952 Z = -50841	15 22 12	LAT. = - 1 40 32.0 LONG. = 109 38 10.3 RAD. = 1738770.2	1.4 1.7 22.4
1738	X = -589699 Y = 1626499 Z = -143737	15 15 13	LAT. = - 4 44 57.3 LONG. = 109 55 42.5 RAD. = 1736060.4	1.6 1.8 14.6
21291	X = -587529 Y = 1624961 Z = -179505	15 22 17	LAT. = - 5 55 51.3 LONG. = 109 52 41.6 RAD. = 1737213.0	1.8 1.8 23.0
21293	X = -578194 Y = 1627727 Z = -206972	13 16 10	LAT. = - 6 49 57.2 LONG. = 109 33 21.0 RAD. = 1739724.6	1.2 1.5 15.9

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TERRAIN POINTS ON MAP SHEET 82C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42251	X = -302341 Y = 1692752 Z = -269884	12 18 11	LAT. = - 8 55 11.6 LONG. = 100 7 36.3 RAD. = 1740591.4	1.4 1.4 17.8
Z1294	X = -313426 Y = 1668191 Z = -388136	12 18 12	LAT. = -12 52 48.8 LONG. = 100 38 27.2 RAD. = 1741191.0	1.4 1.5 18.2
2820	X = -313531 Y = 1665676 Z = -395305	15 14 13	LAT. = -13 7 42.0 LONG. = 100 39 36.3 RAD. = 1740414.9	1.5 1.7 14.4
Z1295	X = -304586 Y = 1662726 Z = -409550	12 19 12	LAT. = -13 37 9.2 LONG. = 100 22 50.3 RAD. = 1739299.0	1.4 1.5 18.5
5169D	X = -302977 Y = 1648508 Z = -465358	16 23 14	LAT. = -15 31 .5 LONG. = 100 24 50.7 RAD. = 1739520.6	2.0 1.7 21.8
61694	X = -302957 Y = 1648479 Z = -465367	13 22 14	LAT. = -15 31 2.5 LONG. = 100 24 49.0 RAD. = 1739492.1	1.6 1.6 22.1
42228	X = -347968 Y = 1682438 Z = -277969	11 15 10	LAT. = - 9 11 25.6 LONG. = 101 41 7.3 RAD. = 1740386.3	1.2 1.3 15.0
Z1289	X = -337490 Y = 1672513 Z = -331138	12 18 16	LAT. = -10 58 59.6 LONG. = 101 24 29.9 RAD. = 1738059.5	1.7 1.6 18.9
42099	X = -348184 Y = 1663520 Z = -357746	10 14 10	LAT. = -11 53 12.4 LONG. = 101 49 18.0 RAD. = 1736810.7	1.2 1.3 14.3
5169K	X = -327568 Y = 1661616 Z = -399845	14 21 14	LAT. = -13 17 1.8 LONG. = 101 9 7.8 RAD. = 1740156.6	1.5 1.6 21.7
B169K	X = -327374 Y = 1659621 Z = -407431	15 22 14	LAT. = -13 32 31.4 LONG. = 101 9 31.7 RAD. = 1739975.5	1.9 1.6 21.4
61691	X = -327393 Y = 1659645 Z = -407449	11 16 12	LAT. = -13 32 32.7 LONG. = 101 9 33.4 RAD. = 1740006.1	1.3 1.4 15.9

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
8169A	X = -327394 Y = 1659612 Z = -407474	15 22 14	LAT. = -13 32 36.5 LONG. = 101 9 34.3 RAD. = 1739981.1	1.9 1.6 21.4
42095	X = -376112 Y = 1669127 Z = -300259	11 15 10	LAT. = - 9 57 12.4 LONG. = 102 41 55.0 RAD. = 1737123.9	1.2 1.3 14.7
4209G	X = -359391 Y = 1666808 Z = -329417	14 25 26	LAT. = -10 56 4.1 LONG. = 102 10 3.5 RAD. = 1736642.5	2.7 1.7 28.4
5209G	X = -357402 Y = 1665717 Z = -336454	14 21 20	LAT. = -11 10 18.2 LONG. = 102 6 35.9 RAD. = 1736534.4	2.1 1.7 22.5
42097	X = -357379 Y = 1665754 Z = -336498	11 16 11	LAT. = -11 10 22.6 LONG. = 102 6 32.3 RAD. = 1736573.1	1.3 1.4 16.3
21251	X = -377191 Y = 1641005 Z = -430862	14 18 12	LAT. = -14 21 11.8 LONG. = 102 56 41.3 RAD. = 1738048.3	1.4 1.6 18.6
61649	X = -375418 Y = 1631187 Z = -466656	14 21 15	LAT. = -15 34 41.6 LONG. = 102 57 39.4 RAD. = 1737664.9	1.6 1.7 21.8
42093	X = -388343 Y = 1671786 Z = -273017	11 15 11	LAT. = - 9 2 18.6 LONG. = 103 4 38.8 RAD. = 1737877.1	1.3 1.3 15.2
42084	X = -403191 Y = 1660215 Z = -311942	12 16 11	LAT. = -10 20 50.6 LONG. = 103 39 1.0 RAD. = 1736717.0	1.3 1.4 15.7
42086	X = -388135 Y = 1657531 Z = -341693	12 17 12	LAT. = -11 20 57.8 LONG. = 103 10 45.1 RAD. = 1736321.7	1.3 1.4 17.4
21245	X = -405765 Y = 1652074 Z = -348089	13 18 17	LAT. = -11 33 50.6 LONG. = 103 47 57.3 RAD. = 1736421.6	1.8 1.6 19.0
21249	X = -383543 Y = 1645181 Z = -401474	13 18 13	LAT. = -13 22 7.5 LONG. = 103 7 22.9 RAD. = 1736349.0	1.4 1.6 18.8

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TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61645	X = -396812 Y = 1638770 Z = -414788	11 15 11	LAT. = -13 49 13.3 LONG. = 103 36 41.8 RAD. = 1736397.2	1.3 1.4 15.2
2818	X = -383668 Y = 1640929 Z = -418760	13 14 12	LAT. = -13 57 18.2 LONG. = 103 9 36.0 RAD. = 1736435.3	1.4 1.6 14.2
61636	X = -394142 Y = 1634722 Z = -443000	12 16 11	LAT. = -14 45 32.2 LONG. = 103 33 20.4 RAD. = 1738939.7	1.3 1.4 16.2
42080	X = -422383 Y = 1666272 Z = -249757	12 18 12	LAT. = - 8 16 .9 LONG. = 104 13 27.4 RAD. = 1737023.3	1.3 1.4 18.7
B205C	X = -432341 Y = 1642147 Z = -363567	14 22 15	LAT. = -12 5 4.8 LONG. = 104 44 59.9 RAD. = 1736590.7	1.6 1.7 22.5
51490	X = -432184 Y = 1640413 Z = -373061	11 14 11	LAT. = -12 24 9.9 LONG. = 104 45 35.2 RAD. = 1736925.7	1.2 1.3 14.6
1050	X = -414768 Y = 1642945 Z = -379740	14 22 14	LAT. = -12 37 53.2 LONG. = 104 10 6.6 RAD. = 1736520.8	1.6 1.7 22.5
B205E	X = -414768 Y = 1640583 Z = -389693	24 34 17	LAT. = -12 58 6.3 LONG. = 104 11 17.0 RAD. = 1736492.6	1.8 2.3 38.0
4149A	X = -418777 Y = 1638556 Z = -393955	17 23 16	LAT. = -13 6 45.7 LONG. = 104 20 11.7 RAD. = 1736502.8	2.2 1.8 22.2
B149A	X = -415599 Y = 1638427 Z = -397874	14 23 13	LAT. = -13 14 43.5 LONG. = 104 13 59.8 RAD. = 1736510.8	1.6 1.7 22.6
21455	X = -468326 Y = 1654344 Z = -257790	19 38 23	LAT. = - 8 31 37.5 LONG. = 105 48 22.3 RAD. = 1738574.1	3.2 1.9 36.7
4145E	X = -468357 Y = 1654377 Z = -257961	14 21 18	LAT. = - 8 31 56.8 LONG. = 105 48 24.8 RAD. = 1738638.9	1.9 1.7 22.1

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
42049	X = -453122 Y = 1648629 Z = -304202	15 23 18	LAT. = -10 5 18.6 LONG. = 105 22 5.3 RAD. = 1736616.2	1.9 1.7 25.9
B204J	X = -453120 Y = 1648589 Z = -304211	14 21 20	LAT. = -10 5 20.5 LONG. = 105 22 6.4 RAD. = 1736579.4	2.2 1.8 22.5
908	X = -450441 Y = 1646008 Z = -320811	14 13 13	LAT. = -10 38 48.5 LONG. = 105 18 16.8 RAD. = 1736421.0	1.5 1.7 13.3
42051	X = -443498 Y = 1645449 Z = -334232	11 15 10	LAT. = -11 5 46.8 LONG. = 105 5 4.2 RAD. = 1736636.1	1.2 1.4 15.0
Z1093	X = -453471 Y = 1620277 Z = -429984	14 18 13	LAT. = -14 20 7.8 LONG. = 105 38 7.7 RAD. = 1736611.3	1.4 1.6 18.8
2816	X = -454447 Y = 1618236 Z = -442258	13 14 12	LAT. = -14 44 29.1 LONG. = 105 41 10.6 RAD. = 1738045.8	1.4 1.6 14.1
61489	X = -459991 Y = 1616667 Z = -443532	14 20 20	LAT. = -14 46 55.3 LONG. = 105 52 57.7 RAD. = 1738368.0	2.1 1.8 22.1
61603	X = -454504 Y = 1613124 Z = -467386	11 15 11	LAT. = -15 34 58.1 LONG. = 105 44 7.4 RAD. = 1739883.3	1.3 1.4 14.9
32398	X = -476146 Y = 1651781 Z = -264820	11 14 10	LAT. = - 8 45 27.5 LONG. = 106 4 49.0 RAD. = 1739317.4	1.2 1.4 14.5
42026	X = -494879 Y = 1637353 Z = -299446	13 18 12	LAT. = - 9 55 47.1 LONG. = 106 49 1.5 RAD. = 1736519.3	1.3 1.5 18.9
A202J	X = -470761 Y = 1635983 Z = -345451	17 22 15	LAT. = -11 28 15.3 LONG. = 106 3 12.2 RAD. = 1737063.9	2.0 1.8 22.4
Z1089	X = -476264 Y = 1627411 Z = -378375	13 18 16	LAT. = -12 34 44.5 LONG. = 106 18 43.9 RAD. = 1737371.8	1.7 1.7 18.9

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

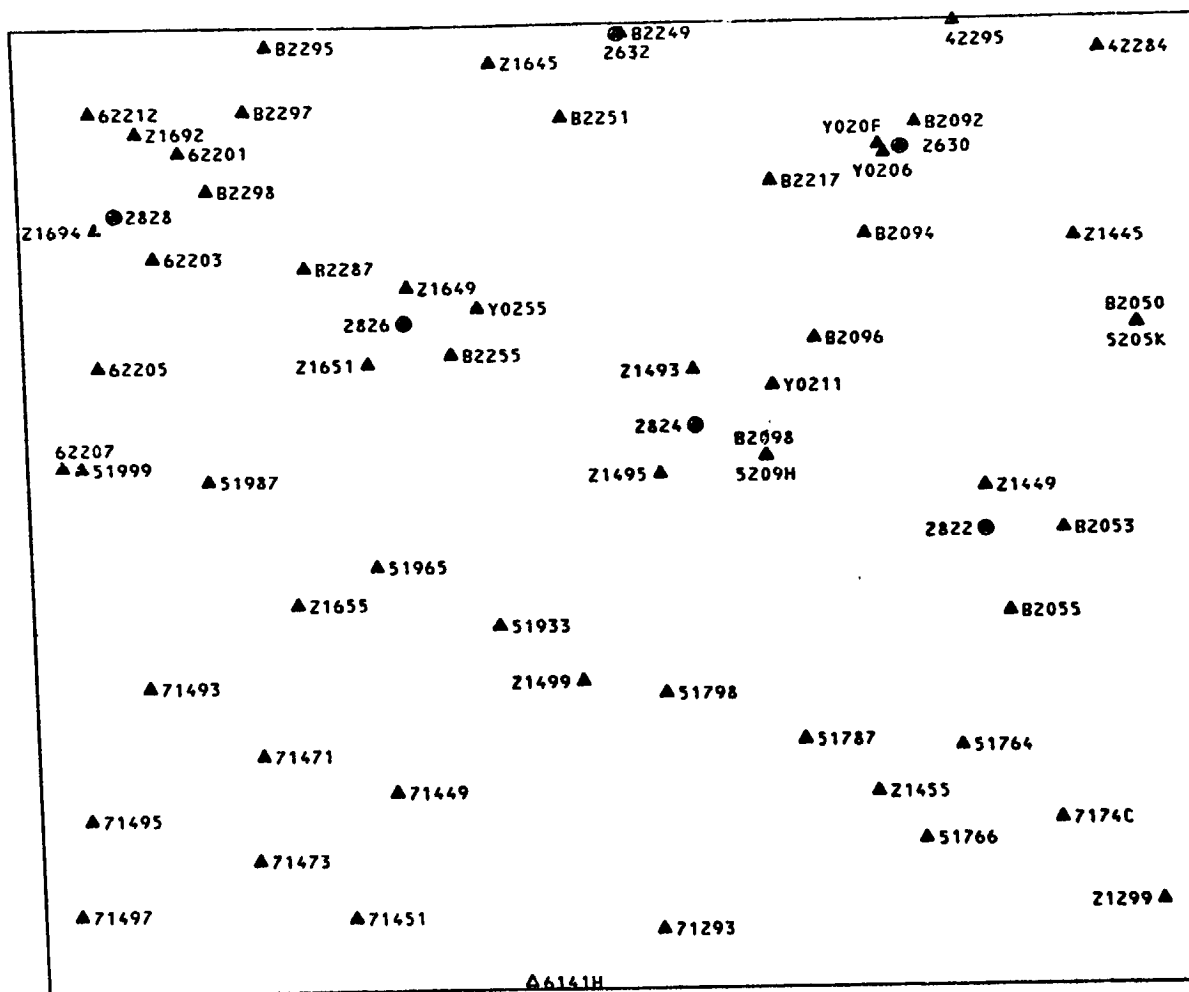
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1048	X = -481278 Y = 1617740 Z = -408548	15 22 14	LAT. = -13 36 25.7 LONG. = 106 34 3.9 RAD. = 1736554.4	1.6 1.7 22.7
4144G	X = -485465 Y = 1615779 Z = -411810	17 22 14	LAT. = -13 43 1.3 LONG. = 106 43 22.9 RAD. = 1736664.8	2.0 1.8 22.4
B189J	X = -482581 Y = 1614917 Z = -418735	15 22 14	LAT. = -13 57 6.9 LONG. = 106 38 15.2 RAD. = 1736715.0	1.6 1.7 22.6
41899	X = -482563 Y = 1614900 Z = -418780	18 23 15	LAT. = -13 57 12.7 LONG. = 106 38 13.8 RAD. = 1736705.3	2.1 1.9 22.4
61601	X = -468276 Y = 1615166 Z = -441500	12 16 12	LAT. = -14 42 36.7 LONG. = 106 10 5.4 RAD. = 1738667.9	1.4 1.5 15.8
51449	X = -476926 Y = 1611768 Z = -450617	14 21 14	LAT. = -15 0 26.9 LONG. = 106 29 1.0 RAD. = 1740203.7	1.6 1.7 21.5
21422	X = -506527 Y = 1641474 Z = -270488	12 15 11	LAT. = - 8 56 53.5 LONG. = 107 8 57.2 RAD. = 1739014.1	1.2 1.4 15.7
500	X = -502675 Y = 1639492 Z = -279540	14 14 13	LAT. = - 9 15 30.9 LONG. = 107 2 44.8 RAD. = 1737458.0	1.5 1.7 14.2
41893	X = -518479 Y = 1623364 Z = -336256	12 15 11	LAT. = -11 9 43.1 LONG. = 107 42 45.8 RAD. = 1737008.8	1.3 1.5 15.5
906	X = -515936 Y = 1620916 Z = -350543	14 14 13	LAT. = -11 38 39.1 LONG. = 107 39 22.4 RAD. = 1736789.6	1.6 1.7 13.6
41895	X = -512049 Y = 1619785 Z = -361441	13 17 13	LAT. = -12 0 40.8 LONG. = 107 32 34.3 RAD. = 1736818.0	1.4 1.6 17.1
5188F	X = -511467 Y = 1611351 Z = -400702	17 30 34	LAT. = -13 20 3.3 LONG. = 107 36 36.7 RAD. = 1737415.8	3.3 2.0 36.4

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
41897	X = -497564 Y = 1614899 Z = -400620	12 15 11	LAT. = -13 20 14.7 LONG. = 107 7 28.3 RAD. = 1736653.6	1.3 1.4 15.2
3129J	X = -531025 Y = 1633200 Z = -284512	18 21 14	LAT. = -9 24 24.0 LONG. = 108 0 41.8 RAD. = 1740769.2	1.9 1.9 22.3
41890	X = -542411 Y = 1627631 Z = -297005	14 21 17	LAT. = -9 49 17.5 LONG. = 108 25 50.6 RAD. = 1741150.0	1.8 1.8 21.3
41880	X = -556784 Y = 1618333 Z = -318231	14 18 12	LAT. = -10 32 .6 LONG. = 108 59 8.4 RAD. = 1740770.5	1.4 1.6 18.5
A188D	X = -537814 Y = 1613067 Z = -371897	18 22 14	LAT. = -12 20 14.1 LONG. = 108 26 20.2 RAD. = 1740556.2	2.0 1.9 21.9
Z1045	X = -545835 Y = 1602646 Z = -396128	13 17 17	LAT. = -13 10 7.6 LONG. = 108 48 28.8 RAD. = 1738771.3	1.8 1.7 18.4
Z1049	X = -527949 Y = 1596308 Z = -451571	14 17 13	LAT. = -15 2 .8 LONG. = 108 18 2.5 RAD. = 1740932.2	1.4 1.6 17.9
2814	X = -523438 Y = 1591950 Z = -465851	13 14 12	LAT. = -15 32 7.0 LONG. = 108 12 3.7 RAD. = 1739342.1	1.4 1.7 14.4
61445	X = -531926 Y = 1589265 Z = -467034	13 15 12	LAT. = -15 34 18.2 LONG. = 108 30 19.3 RAD. = 1739778.9	1.4 1.6 15.7
Z1050	X = -519388 Y = 1592271 Z = -468607	14 18 12	LAT. = -15 37 52.3 LONG. = 108 3 57.5 RAD. = 1739161.9	1.4 1.7 18.1
51405	X = -541175 Y = 1584934 Z = -470288	15 20 15	LAT. = -15 41 6.2 LONG. = 108 51 8.9 RAD. = 1739556.6	1.6 1.8 21.3
A127G	X = -563841 Y = 1617626 Z = -304992	16 21 13	LAT. = -10 5 42.1 LONG. = 109 12 59.6 RAD. = 1740015.0	1.5 1.8 22.0

TERRAIN POINTS ON MAP SHEET 82C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
498	X = -567599 Y = 1614771 Z = -311454	15 14 13	LAT. = -10 18 46.6 LONG. = 109 22 .5 RAD. = 1739729.0	1.5 1.5 14.3
41851	X = -571710 Y = 1596488 Z = -388028	12 15 11	LAT. = -12 53 19.1 LONG. = 109 42 9.7 RAD. = 1739595.9	1.3 1.5 15.2
41853	X = -556484 Y = 1592559 Z = -422502	13 16 11	LAT. = -14 3 37.4 LONG. = 109 15 39.0 RAD. = 1739087.5	1.4 1.6 16.7
51401	X = -563503 Y = 1590154 Z = -423162	14 20 20	LAT. = -14 4 51.6 LONG. = 109 30 46.1 RAD. = 1739308.1	2.0 1.9 21.5
1046	X = -548637 Y = 1592997 Z = -436408	15 21 14	LAT. = -14 31 18.2 LONG. = 109 0 14.4 RAD. = 1740429.2	1.6 1.8 21.4
51403	X = -556078 Y = 1588926 Z = -440264	13 16 12	LAT. = -14 39 22.5 LONG. = 109 17 18.9 RAD. = 1740040.9	1.4 1.6 16.1
41855	X = -549148 Y = 1590394 Z = -445970	12 15 11	LAT. = -14 50 43.4 LONG. = 109 2 57.5 RAD. = 1740634.0	1.3 1.5 14.7



○ RANGE
OBSERVATION

▲ 0 < 30M
△ 0 < 100M
▽ 0 > 100M

MAP SHEET 82D

TERRAIN POINTS ON MAP SHEET 82D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
62212	X = -18826 Y = 1718910 Z = -262720	9 14 9	LAT. = - 8 41 21.8 LONG. = 90 37 39.0 RAD. = 1738973.5	1.1 1.1 13.7
2828	X = -24380 Y = 1712705 Z = -287631	10 12 11	LAT. = - 9 31 56.4 LONG. = 90 48 56.0 RAD. = 1736860.9	1.3 1.3 12.3
Z1694	X = -19260 Y = 1711720 Z = -291043	10 17 11	LAT. = - 9 38 56.7 LONG. = 90 38 40.8 RAD. = 1736393.4	1.3 1.3 17.1
62205	X = -18849 Y = 1708066 Z = -325705	11 21 11	LAT. = -10 47 43.1 LONG. = 90 37 56.1 RAD. = 1738944.9	1.3 1.3 20.3
62207	X = -8831 Y = 1701988 Z = -349944	10 18 11	LAT. = -11 37 6.4 LONG. = 90 17 50.3 RAD. = 1737613.6	1.3 1.2 17.2
51999	X = -13669 Y = 1702389 Z = -350491	14 23 15	LAT. = -11 37 59.6 LONG. = 90 27 36.1 RAD. = 1738147.7	2.0 1.7 21.4
71493	X = -28840 Y = 1688411 Z = -404355	11 18 11	LAT. = -13 27 58.1 LONG. = 90 58 42.9 RAD. = 1736394.8	1.4 1.3 18.0
71495	X = -12700 Y = 1680957 Z = -436552	11 19 12	LAT. = -14 33 28.6 LONG. = 90 25 58.3 RAD. = 1736765.2	1.5 1.3 17.9
71497	X = -9126 Y = 1675886 Z = -459970	11 16 12	LAT. = -15 20 50.8 LONG. = 90 18 43.2 RAD. = 1737886.7	1.4 1.3 15.6
B2297	X = -58082 Y = 1718305 Z = -262751	8 13 9	LAT. = - 8 41 20.6 LONG. = 91 56 9.5 RAD. = 1739248.4	1.0 1.0 12.9
Z1692	X = -30387 Y = 1718568 Z = -267998	10 16 11	LAT. = - 8 51 43.6 LONG. = 91 0 46.7 RAD. = 1739604.1	1.3 1.2 16.7
62201	X = -41173 Y = 1718186 Z = -272888	9 14 10	LAT. = - 9 1 19.1 LONG. = 91 22 21.8 RAD. = 1740209.1	1.2 1.1 13.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
B2298	X = -48007 Y = 1717046 Z = -282595	9 15 10	LAT. = - 9 20 33.0 LONG. = 91 36 5.5 RAD. = 1740808.0	1.3 1.1 14.7
62203	X = -33737 Y = 1710323 Z = -298361	11 16 11	LAT. = - 9 53 37.0 LONG. = 91 7 48.2 RAD. = 1736479.8	1.3 1.3 16.2
51987	X = -45888 Y = 1700941 Z = -354123	9 14 10	LAT. = -11 45 23.0 LONG. = 91 32 43.2 RAD. = 1738019.1	1.2 1.1 14.0
71471	X = -57166 Y = 1683811 Z = -421339	11 19 11	LAT. = -14 2 27.0 LONG. = 91 56 40.1 RAD. = 1736667.2	1.4 1.3 18.2
71473	X = -55099 Y = 1677238 Z = -446797	11 19 12	LAT. = -14 54 31.9 LONG. = 91 52 53.5 RAD. = 1736602.8	1.6 1.3 18.4
B2295	X = -64292 Y = 1720693 Z = -246842	9 14 9	LAT. = - 8 9 29.0 LONG. = 92 8 23.3 RAD. = 1739496.6	1.1 1.1 14.0
B2287	X = -72248 Y = 1711135 Z = -301853	9 17 10	LAT. = - 9 59 44.2 LONG. = 92 25 3.8 RAD. = 1739056.8	1.2 1.1 17.1
Z1651	X = -87597 Y = 1704970 Z = -325678	11 17 11	LAT. = -10 48 1.0 LONG. = 92 56 28.0 RAD. = 1738004.9	1.3 1.3 17.2
51965	X = -87957 Y = 1693102 Z = -375437	10 15 11	LAT. = -12 29 11.2 LONG. = 92 58 25.8 RAD. = 1736456.8	1.3 1.2 15.3
Z1655	X = -67400 Y = 1691866 Z = -384478	11 19 13	LAT. = -12 47 35.7 LONG. = 92 16 52.8 RAD. = 1736311.0	1.7 1.4 17.8
71451	X = -78857 Y = 1671510 Z = -460757	13 22 14	LAT. = -15 23 41.0 LONG. = 92 42 3.8 RAD. = 1735644.7	1.6 1.6 22.4
Z1649	X = -98076 Y = 1706832 Z = -306704	11 17 11	LAT. = -10 10 13.6 LONG. = 93 17 19.2 RAD. = 1736940.5	1.3 1.3 17.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y0255	X = -115969 Y = 1706014 Z = -312208	12 19 12	LAT. = -10 20 50.1 LONG. = 93 53 19.7 RAD. = 1738219.7	1.7 1.4 17.7
2826	X = -97114 Y = 1705234 Z = -315374	11 13 11	LAT. = -10 27 41.7 LONG. = 93 15 34.2 RAD. = 1736869.0	1.3 1.3 12.7
B2255	X = -108871 Y = 1703960 Z = -323654	10 14 11	LAT. = -10 44 .2 LONG. = 93 39 20.9 RAD. = 1737839.1	1.3 1.2 14.4
71449	X = -90832 Y = 1680885 Z = -430871	11 18 12	LAT. = -14 21 26.3 LONG. = 93 5 35.4 RAD. = 1737605.8	1.4 1.3 18.0
Z1645	X = -121106 Y = 1716857 Z = -251548	11 16 14	LAT. = - 8 18 54.3 LONG. = 94 2 5.7 RAD. = 1739408.0	1.5 1.3 17.2
B2251	X = -138642 Y = 1712227 Z = -265192	9 15 9	LAT. = - 8 46 33.0 LONG. = 94 37 45.3 RAD. = 1738179.9	1.2 1.1 14.9
51933	X = -118516 Y = 1688271 Z = -390272	11 16 12	LAT. = -12 59 7.3 LONG. = 94 0 56.0 RAD. = 1736841.1	1.4 1.3 15.7
Z1499	X = -139151 Y = 1684488 Z = -404231	12 18 12	LAT. = -13 27 .4 LONG. = 94 43 20.4 RAD. = 1737891.2	1.7 1.4 17.5
6141H	X = -122624 Y = 1666856 Z = -477394	28 39 18	LAT. = -15 56 27.7 LONG. = 94 12 26.8 RAD. = 1738203.3	2.9 3.2 36.8
B2249	X = -154515 Y = 1711737 Z = -244130	9 14 10	LAT. = - 8 5 4.0 LONG. = 95 9 28.8 RAD. = 1735948.3	1.1 1.1 14.2
2632	X = -153279 Y = 1711768 Z = -244264	12 12 12	LAT. = - 8 5 21.0 LONG. = 95 7 .7 RAD. = 1735888.5	1.4 1.5 12.0
Z1493	X = -169892 Y = 1697440 Z = -327822	11 17 12	LAT. = -10 52 39.9 LONG. = 95 42 55.9 RAD. = 1737133.8	1.3 1.3 17.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

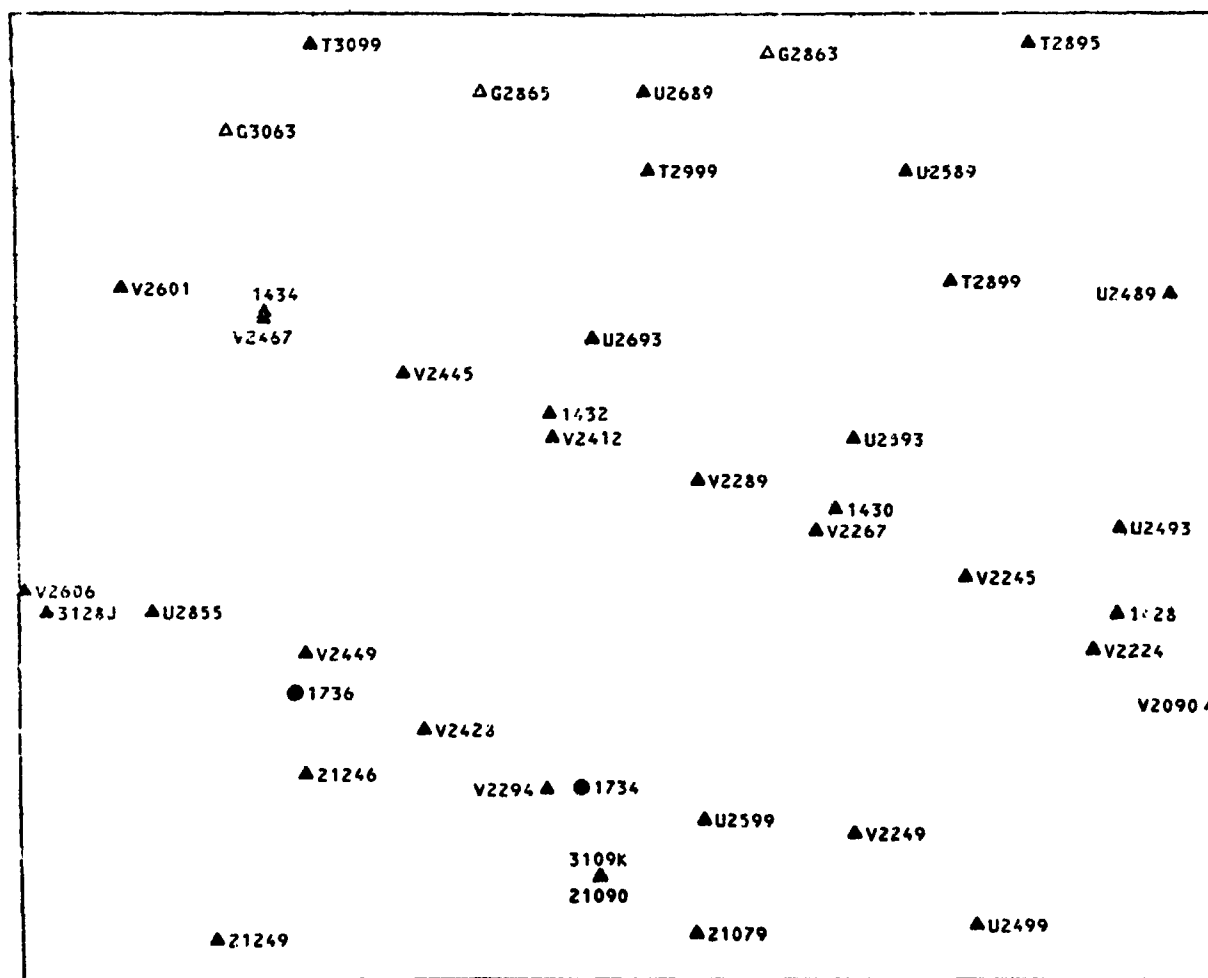
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2824	X = -170037 Y = 1694641 Z = -341597	11 13 11	LAT. = -11 20 28.3 LONG. = 95 43 47.1 RAD. = 1737069.0	1.3 1.3 13.4
21495	X = -160724 Y = 1693499 Z = -353469	11 17 11	LAT. = -11 44 17.9 LONG. = 95 25 17.4 RAD. = 1737444.1	1.3 1.3 17.4
51798	X = -160307 Y = 1683139 Z = -407764	11 17 11	LAT. = -13 33 33.2 LONG. = 95 26 26.1 RAD. = 1739231.2	1.4 1.4 16.4
71293	X = -156926 Y = 1668450 Z = -465053	11 18 12	LAT. = -15 30 35.3 LONG. = 95 22 23.3 RAD. = 1739144.8	1.4 1.4 17.8
B2217	X = -190852 Y = 1703515 Z = -281528	9 13 9	LAT. = - 9 19 36.2 LONG. = 96 23 32.8 RAD. = 1737137.0	1.1 1.1 13.5
B2096	X = -200720 Y = 1697286 Z = -320780	10 15 10	LAT. = -10 37 48.2 LONG. = 96 44 40.0 RAD. = 1738955.6	1.2 1.2 15.6
Y0211	X = -189932 Y = 1696821 Z = -332375	12 30 18	LAT. = -11 0 56.6 LONG. = 96 23 12.4 RAD. = 1739468.4	2.6 1.4 26.9
B2098	X = -187613 Y = 1693570 Z = -349832	9 14 10	LAT. = -11 36 7.6 LONG. = 96 19 17.1 RAD. = 1739471.8	1.2 1.1 14.0
5209H	X = -187688 Y = 1693617 Z = -349845	15 21 15	LAT. = -11 36 7.7 LONG. = 96 19 25.5 RAD. = 1739527.4	1.7 1.8 21.4
51787	X = -194718 Y = 1677982 Z = -419834	11 16 12	LAT. = -13 57 25.7 LONG. = 96 37 9.0 RAD. = 1740632.3	1.3 1.3 16.2
42295	X = -238179 Y = 1705573 Z = -242736	9 14 9	LAT. = - 8 1 23.1 LONG. = 97 56 59.2 RAD. = 1739146.3	1.1 1.1 14.0
B2092	X = -227509 Y = 1701608 Z = -267493	10 16 12	LAT. = - 8 51 22.5 LONG. = 97 36 55.5 RAD. = 1737464.5	1.4 1.3 16.4

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
Y020F	X = -218382 Y = 1702618 Z = -273016	12 24 26	LAT. = - 9 2 13.4 LONG. = 97 18 32.3 RAD. = 1738142.0	2.7 1.5 26.9
2630	X = -223798 Y = 1701438 Z = -273506	12 15 12	LAT. = - 9 3 19.7 LONG. = 97 29 36.1 RAD. = 1737751.7	1.4 1.5 14.4
Y0206	X = -219688 Y = 1702023 Z = -275040	13 29 12	LAT. = - 9 6 18.6 LONG. = 97 21 17.1 RAD. = 1738042.6	1.5 1.7 27.6
B2094	X = -213909 Y = 1696736 Z = -294670	9 13 9	LAT. = - 9 46 34.9 LONG. = 97 11 7.5 RAD. = 1735367.2	1.1 1.1 13.3
51764	X = -234042 Y = 1670800 Z = -421373	11 16 11	LAT. = -14 1 23.9 LONG. = 97 58 26.3 RAD. = 1738937.1	1.3 1.3 16.5
Z1455	X = -212653 Y = 1671638 Z = -432512	12 19 13	LAT. = -14 23 42.7 LONG. = 97 14 59.3 RAD. = 1739730.6	1.7 1.4 17.6
51766	X = -224136 Y = 1667518 Z = -444257	10 15 11	LAT. = -14 47 27.6 LONG. = 97 39 19.5 RAD. = 1740176.9	1.3 1.2 14.8
Z1445	X = -267024 Y = 1693029 Z = -296367	12 17 16	LAT. = - 9 48 36.9 LONG. = 98 57 46.2 RAD. = 1739391.3	1.7 1.5 17.9
Z1449	X = -242720 Y = 1685949 Z = -358105	11 17 12	LAT. = -11 52 22.3 LONG. = 98 11 32.6 RAD. = 1740567.8	1.3 1.4 17.4
B2053	X = -261879 Y = 1680261 Z = -368621	10 15 10	LAT. = -12 13 50.1 LONG. = 98 51 31.1 RAD. = 1740040.0	1.2 1.2 14.7
2822	X = -242307 Y = 1683585 Z = -368792	11 13 11	LAT. = -12 14 .2 LONG. = 98 11 23.8 RAD. = 1740453.5	1.3 1.4 13.6
B2055	X = -247621 Y = 1677519 Z = -388771	10 15 10	LAT. = -12 54 46.8 LONG. = 98 23 48.8 RAD. = 1739692.4	1.2 1.2 14.6

TERRAIN POINTS ON MAP SHEET 82D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
7174C	X = -258441 Y = 1662478 Z = -439355	14 20 21	LAT. = -14 38 7.5 LONG. = 98 50 10.3 RAD. = 1738867.1	2.1 1.7 21.7
42284	X = -274222 Y = 1698534 Z = -249866	10 15 10	LAT. = - 8 15 47.1 LONG. = 99 10 15.8 RAD. = 1738576.2	1.2 1.2 14.8
82050	X = -282082 Y = 1687236 Z = -318213	11 16 10	LAT. = -10 32 15.4 LONG. = 99 29 28.5 RAD. = 1739998.6	1.3 1.3 15.6
5205K	X = -282111 Y = 1687147 Z = -318295	13 20 18	LAT. = -10 32 26.8 LONG. = 99 29 33.7 RAD. = 1739932.1	1.9 1.6 21.6
21299	X = -282775 Y = 1653071 Z = -459380	13 20 13	LAT. = -15 19 6.6 LONG. = 99 42 25.6 RAD. = 1738860.7	1.8 1.5 18.7



○ RANGE
OBSERVATION

▲ $\sigma < 30M$
 ▲ $\sigma < 100M$
 ▼ $\sigma > 100M$

MAP SHEET 83A

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TERRAIN POINTS ON MAP SHEET 83A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2601	X = -619346	13	LAT. = - 2 15 49.3	1.3
	Y = 1624219	17	LONG. = 110 52 22.1	1.6
	Z = -68714	11	RAD. = 1739654.6	17.4
V2606	X = -592831	14	LAT. = - 4 46 4.0	1.3
	Y = 1625317	17	LONG. = 110 2 21.6	1.6
	Z = -144297	11	RAD. = 1736066.2	17.7
3128J	X = -597795	15	LAT. = - 4 56 48.9	2.3
	Y = 1622973	23	LONG. = 110 13 13.6	1.9
	Z = -149703	20	RAD. = 1736032.9	23.5
G3063	X = -645095	30	LAT. = - 0 58 2.7	4.3
	Y = 1615500	48	LONG. = 111 46 3.5	3.6
	Z = -29374	35	RAD. = 1739784.5	47.9
U2355	X = -624184	18	LAT. = - 4 56 35.5	1.9
	Y = 1617325	21	LONG. = 111 6 12.3	1.9
	Z = -149938	15	RAD. = 1740065.1	21.5
21249	X = -635390	17	LAT. = - 7 39 30.9	1.8
	Y = 1603803	20	LONG. = 111 36 44.5	1.8
	Z = -231971	14	RAD. = 1740607.5	20.7
T3099	X = -664140	15	LAT. = - 0 15 19.7	1.3
	Y = 1605104	16	LONG. = 112 28 41.5	1.7
	Z = -7745	11	RAD. = 1737095.0	16.2
1434	X = -652757	16	LAT. = - 2 27 43.8	1.4
	Y = 1610150	21	LONG. = 112 4 3.1	1.8
	Z = -74709	12	RAD. = 1739037.0	21.6
V2467	X = -652548	14	LAT. = - 2 30 59.9	1.3
	Y = 1610006	18	LONG. = 112 3 47.1	1.7
	Z = -76354	11	RAD. = 1738898.1	17.5
V2449	X = -658992	15	LAT. = - 5 17 35.6	1.3
	Y = 1600300	17	LONG. = 112 22 53.5	1.7
	Z = -160343	11	RAD. = 1738085.4	17.6
1736	X = -655894	17	LAT. = - 5 37 3.8	1.6
	Y = 1599902	15	LONG. = 112 17 29.8	2.0
	Z = -170082	13	RAD. = 1737472.3	15.1
21246	X = -658251	13	LAT. = - 6 17 30.6	1.2
	Y = 1598866	16	LONG. = 112 22 36.8	1.6
	Z = -190641	11	RAD. = 1739543.3	15.8

TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G2865	X = -702860 Y = 1587696 Z = -19653	33 50 37	LAT. = - 0 38 54.6 LONG. = 113 52 42.8 RAD. = 1736426.8	4.4 3.8 50.5
V2445	X = -684774 Y = 1595762 Z = -90059	14 18 12	LAT. = - 2 58 7.9 LONG. = 113 13 30.6 RAD. = 1738816.1	1.4 1.7 17.7
V2428	X = -686422 Y = 1588303 Z = -179685	15 18 11	LAT. = - 5 55 43.5 LONG. = 113 22 21.7 RAD. = 1739588.9	1.4 1.7 18.0
U2693	X = -727874 Y = 1575182 Z = -81432	16 22 13	LAT. = - 2 41 12.7 LONG. = 114 48 4.0 RAD. = 1737132.7	1.5 1.9 22.0
1432	X = -717654 Y = 1578920 Z = -100174	17 21 12	LAT. = - 3 18 20.3 LONG. = 114 26 34.2 RAD. = 1737253.9	1.4 1.9 22.0
V2412	X = -718247 Y = 1578488 Z = -106271	15 18 11	LAT. = - 3 30 23.9 LONG. = 114 27 59.7 RAD. = 1737468.6	1.3 1.8 18.0
1734	X = -722432 Y = 1571637 Z = -194154	17 15 14	LAT. = - 6 24 15.8 LONG. = 114 41 12.3 RAD. = 1740587.6	1.6 2.1 15.4
V2294	X = -714186 Y = 1574696 Z = -194664	17 20 12	LAT. = - 6 25 24.4 LONG. = 114 23 46.1 RAD. = 1740006.6	1.4 1.9 21.4
3109K	X = -725058 Y = 1566548 Z = -216524	16 22 21	LAT. = - 7 8 58.2 LONG. = 114 50 11.4 RAD. = 1739731.1	2.2 2.0 23.1
21090	X = -725031 Y = 1566556 Z = -216583	17 21 12	LAT. = - 7 9 5.2 LONG. = 114 50 8.1 RAD. = 1739734.8	1.5 1.9 21.5
U2689	X = -741764 Y = 1573133 Z = -19539	16 22 17	LAT. = - 0 38 37.1 LONG. = 115 14 41.4 RAD. = 1739351.2	2.0 2.0 21.7
T2999	X = -742365 Y = 1571957 Z = -39358	15 16 11	LAT. = - 1 17 49.0 LONG. = 115 16 45.4 RAD. = 1738880.0	1.3 1.8 16.3

TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2289	X = -752438 Y = 1564621 Z = -117161	15 18 12	LAT. = - 3 51 38.4 LONG. = 115 40 59.7 RAD. = 1740094.2	1.4 1.8 18.0
U2599	X = -749808 Y = 1556505 Z = -202285	20 21 16	LAT. = - 6 40 40.8 LONG. = 115 43 16.6 RAD. = 1739493.9	2.0 2.0 22.1
21079	X = -746475 Y = 1554528 Z = -230606	16 18 12	LAT. = - 7 37 .3 LONG. = 115 39 .1 RAD. = 1739816.2	1.4 1.8 19.1
G2863	X = -770219 Y = 1559015 Z = -9943	34 49 37	LAT. = - 0 19 39.5 LONG. = 116 17 28.7 RAD. = 1738925.9	4.4 3.9 49.4
U2593	X = -788081 Y = 1547174 Z = -106867	17 21 13	LAT. = - 3 31 19.1 LONG. = 116 59 34.2 RAD. = 1739609.1	1.5 2.0 22.0
1430	X = -783188 Y = 1548154 Z = -124502	17 21 12	LAT. = - 4 6 16.2 LONG. = 116 50 3.0 RAD. = 1739444.3	1.4 2.0 22.0
V2267	X = -778762 Y = 1550155 Z = -129885	15 18 12	LAT. = - 4 16 54.6 LONG. = 116 40 26.0 RAD. = 1739632.2	1.3 1.8 18.0
V2249	X = -783470 Y = 1538428 Z = -205591	16 18 11	LAT. = - 6 47 27.7 LONG. = 116 59 17.6 RAD. = 1738635.3	1.3 1.9 18.4
U2589	X = -801095 Y = 1542931 Z = -39678	17 22 18	LAT. = - 1 18 26.8 LONG. = 117 26 18.6 RAD. = 1738954.4	2.1 2.0 22.2
T2899	X = -810845 Y = 1537627 Z = -67387	16 17 11	LAT. = - 2 13 12.0 LONG. = 117 48 15.3 RAD. = 1739628.1	1.3 1.9 16.5
V2245	X = -811946 Y = 1531731 Z = -141590	16 22 17	LAT. = - 4 40 8.9 LONG. = 117 55 38.4 RAD. = 1739397.2	2.0 2.0 22.0
T2895	X = -829034 Y = 1528979 Z = -7470	19 21 13	LAT. = - 0 14 45.8 LONG. = 118 28 1.9 RAD. = 1739290.2	1.6 2.1 22.7

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TERRAIN POINTS ON MAP SHEET 83A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2224	X = -839716 Y = 1515860 Z = -159919	16 18 12	LAT. = - 5 16 21.2 LONG. = 118 59 3.9 RAD. = 1740266.9	1.4 1.9 18.5
U2499	X = -809216 Y = 1521236 Z = -228305	21 21 16	LAT. = - 7 32 51.5 LONG. = 118 0 38.2 RAD. = 1738134.7	2.0 2.1 23.2
U2489	X = -858855 Y = 1510307 Z = -70308	18 22 18	LAT. = - 2 19 2.3 LONG. = 119 37 30.9 RAD. = 1738850.5	2.1 2.1 23.0
U2493	X = -845495 Y = 1512326 Z = -128945	19 22 13	LAT. = - 4 15 22.4 LONG. = 119 12 29.6 RAD. = 1737417.7	1.5 2.1 23.3
1428	X = -844023 Y = 1510682 Z = -150399	19 22 13	LAT. = - 4 58 2.0 LONG. = 119 11 32.0 RAD. = 1736995.8	1.5 2.1 23.3
V2090	X = -864597 Y = 1499488 Z = -173398	17 21 17	LAT. = - 5 43 14.5 LONG. = 119 58 3.1 RAD. = 1739557.7	1.9 2.0 21.8

MAP SHEET 83B

TERRAIN POINTS ON MAP SHEET 83B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2795	X = -894049 Y = 1491364 Z = -29206	21 21 13	LAT. = - 0 57 44.2 LONG. = 120 56 31.2 RAD. = 1739064.2	1.6 2.2 23.1
T2799	X = -877192 Y = 1498242 Z = -98177	22 21 17	LAT. = - 3 14 11.7 LONG. = 120 20 53.3 RAD. = 1738917.3	2.1 2.3 23.3
U2395	X = -889555 Y = 1483872 Z = -194784	20 21 13	LAT. = - 6 25 25.3 LONG. = 120 56 31.0 RAD. = 1741013.3	1.5 2.1 23.0
T2793	X = -912733 Y = 1479027 Z = -2825	20 22 13	LAT. = - 0 5 35.3 LONG. = 121 40 46.0 RAD. = 1737990.3	1.6 2.2 23.2
380	X = -906383 Y = 1483431 Z = -17549	19 18 13	LAT. = - 0 34 42.1 LONG. = 121 25 30.4 RAD. = 1738506.4	1.6 2.2 17.6
1426	X = -906617 Y = 1476007 Z = -176564	19 21 13	LAT. = - 5 49 12.2 LONG. = 121 33 35.1 RAD. = 1741185.3	1.5 2.1 22.9
V206G	X = -903675 Y = 1477424 Z = -178560	19 21 13	LAT. = - 5 53 11.3 LONG. = 121 27 8.3 RAD. = 1741061.0	1.5 2.1 22.9
U2389	X = -924224 Y = 1467827 Z = -97443	19 23 18	LAT. = - 3 12 55.2 LONG. = 122 11 48.3 RAD. = 1737297.3	2.1 2.2 23.5
T2699	X = -942497 Y = 1456679 Z = -126473	18 17 12	LAT. = - 4 10 9.2 LONG. = 122 54 12.9 RAD. = 1739600.5	1.4 2.1 17.7
V2045	X = -933325 Y = 1455722 Z = -183520	17 18 13	LAT. = - 6 3 28.9 LONG. = 122 39 56.3 RAD. = 1738937.3	1.5 2.0 18.6
T2693	X = -970209 Y = 1442304 Z = -26688	20 21 14	LAT. = - 0 52 46.6 LONG. = 123 55 40.6 RAD. = 1738464.3	1.6 2.2 22.6
378	X = -970533 Y = 1441188 Z = -46142	19 18 13	LAT. = - 1 31 16.4 LONG. = 123 57 26.4 RAD. = 1738127.3	1.6 2.2 17.7

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

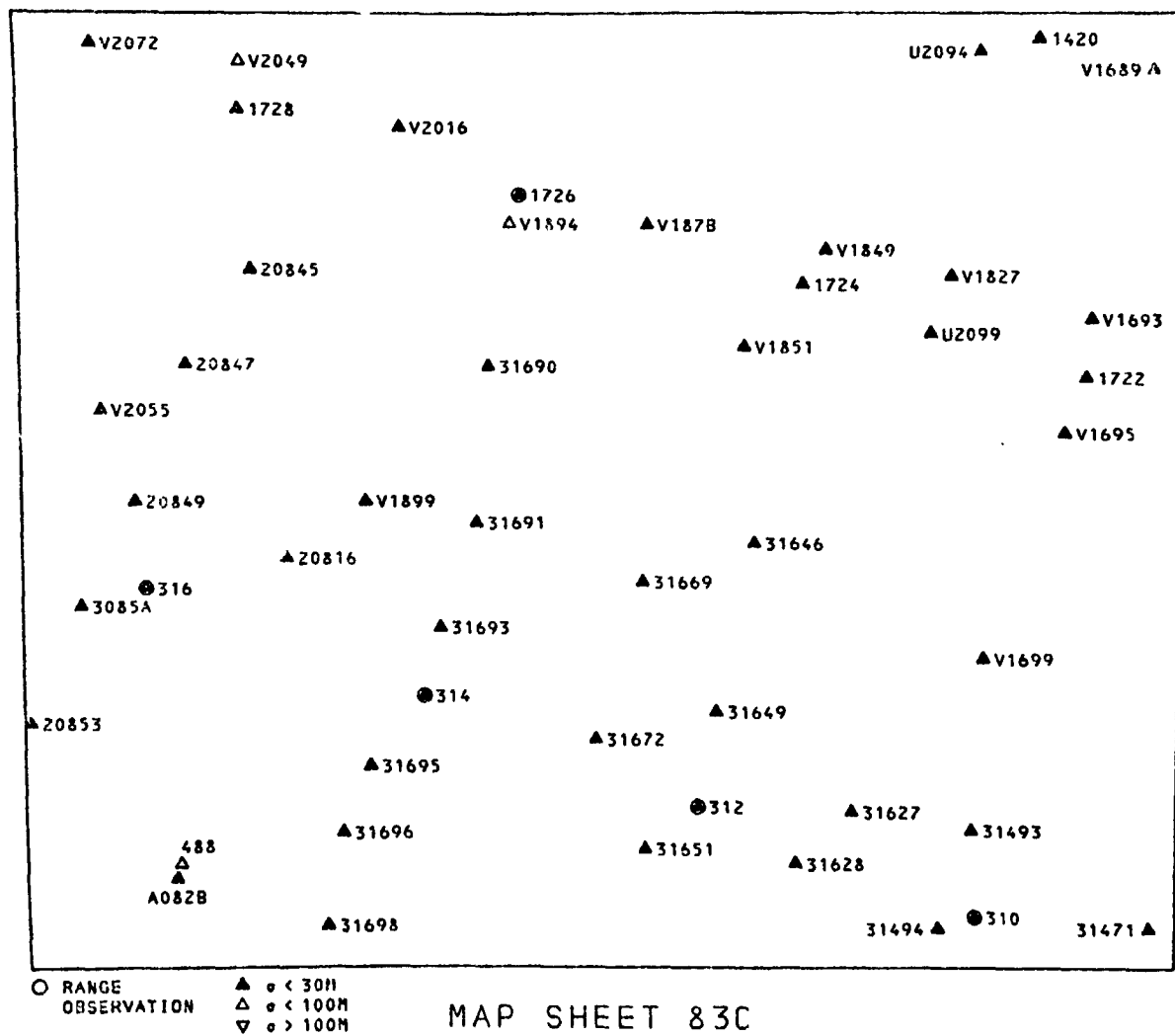
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2695	X = -962345 Y = 1446072 Z = -59840	22 34 16	LAT. = - 1 58 23.0 LONG. = 123 38 36.0 RAD. = 1738048.5	1.9 2.5 34.5
1424	X = -966195 Y = 1434588 Z = -200452	20 21 14	LAT. = - 6 36 38.7 LONG. = 123 57 36.9 RAD. = 1741193.5	1.6 2.3 22.3
T2691	X = -982758 Y = 1436741 Z = -544	19 19 13	LAT. = - 0 1 4.5 LONG. = 124 22 22.4 RAD. = 1740700.7	1.5 2.2 19.5
U2289	X = -981145 Y = 1428171 Z = -115285	19 22 19	LAT. = - 3 48 23.4 LONG. = 124 29 19.9 RAD. = 1736550.8	2.1 2.2 23.1
T2677	X = -979189 Y = 1428350 Z = -137707	18 18 12	LAT. = - 4 32 47.5 LONG. = 124 25 55.7 RAD. = 1737227.0	1.4 2.1 17.9
V2018	X = -968497 Y = 1431931 Z = -206754	19 21 13	LAT. = - 6 49 12.7 LONG. = 124 4 21.9 RAD. = 1741022.8	1.5 2.2 22.3
T2669	X = -1020695 Y = 1407201 Z = -13713	20 19 13	LAT. = - 0 27 7.0 LONG. = 125 57 17.2 RAD. = 1738454.0	1.6 2.2 20.3
U2278	X = -1008659 Y = 1409359 Z = -128507	23 32 29	LAT. = - 4 14 26.1 LONG. = 125 35 26.8 RAD. = 1737872.2	3.2 2.4 35.6
T2599	X = -1002711 Y = 1411457 Z = -149940	18 18 12	LAT. = - 4 56 58.5 LONG. = 125 23 25.1 RAD. = 1737850.5	1.4 2.1 18.1
V1889	X = -992781 Y = 1412593 Z = -217622	17 18 13	LAT. = - 7 11 1.8 LONG. = 125 5 59.4 RAD. = 1740227.6	1.4 2.1 18.8
T2591	X = -1046395 Y = 1390517 Z = -26527	19 18 13	LAT. = - 0 52 23.9 LONG. = 126 57 44.2 RAD. = 1740455.0	1.5 2.2 19.0
376	X = -1033682 Y = 1395616 Z = -72043	19 18 15	LAT. = - 2 22 31.3 LONG. = 126 31 33.7 RAD. = 1738226.7	1.7 2.3 17.9

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2595	X = -1025458 Y = 1400721 Z = -87824	21 21 13	LAT. = - 2 53 46.2 LONG. = 126 12 27.3 RAD. = 1738187.4	1.6 2.2 22.6
U2189	X = -1041592 Y = 1388013 Z = -145196	19 21 18	LAT. = - 4 46 57.9 LONG. = 126 53 6.9 RAD. = 1741429.3	2.0 2.2 22.4
V1867	X = -1026611 Y = 1388017 Z = -223248	18 19 13	LAT. = - 7 22 5.4 LONG. = 126 29 15.1 RAD. = 1740793.3	1.4 2.1 19.0
1422	X = -1023709 Y = 1390028 Z = -224109	20 21 13	LAT. = - 7 23 48.3 LONG. = 126 22 13.5 RAD. = 1740799.5	1.5 2.2 22.4
T2577	X = -1045337 Y = 1383265 Z = -164825	18 18 12	LAT. = - 5 25 49.7 LONG. = 127 4 42.3 RAD. = 1741642.5	1.4 2.1 17.9
V1845	X = -1052008 Y = 1368360 Z = -230987	18 19 13	LAT. = - 7 37 20.7 LONG. = 127 33 12.3 RAD. = 1741402.8	1.5 2.1 19.3
T2569	X = -1083890 Y = 1358987 Z = -40475	31 22 19	LAT. = - 1 20 1.8 LONG. = 128 34 29.5 RAD. = 1738764.4	2.3 2.7 31.0
T2496	X = -1088881 Y = 1353516 Z = -119444	21 21 13	LAT. = - 3 56 .3 LONG. = 128 48 58.0 RAD. = 1741245.5	1.6 2.3 22.4
T2499	X = -1067776 Y = 1360581 Z = -179808	19 18 12	LAT. = - 5 56 7.1 LONG. = 128 7 28.6 RAD. = 1738866.3	1.4 2.2 18.4
V1823	X = -1079063 Y = 1346158 Z = -239735	20 19 15	LAT. = - 7 54 39.3 LONG. = 128 42 54.8 RAD. = 1741836.0	1.6 2.2 21.2
T2491	X = -1105692 Y = 1344828 Z = -53298	32 21 19	LAT. = - 1 45 12.5 LONG. = 129 25 35.0 RAD. = 1741826.4	2.3 2.8 30.5
T2493	X = -1097753 Y = 1349067 Z = -84622	21 21 14	LAT. = - 2 47 7.7 LONG. = 129 8 8.5 RAD. = 1741322.2	1.6 2.3 22.4

TERRAIN POINTS ON MAP SHEET 83B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
374	X = -1095805	19	LAT. = - 3 17 58.0	1.6
	Y = 1349352	18	LONG. = 129 4 47.8	2.3
	Z = -100210	13	RAD. = 1741143.9	18.0
U2089	X = -1098922	20	LAT. = - 5 39 32.5	2.1
	Y = 1335643	22	LONG. = 129 26 47.0	2.3
	Z = -171390	19	RAD. = 1738087.2	23.3



MAP SHEET 83C

TERRAIN POINTS ON MAP SHEET 83C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V2072	X = -878012	18	LAT. = - 8 15 7.5	1.4
	Y = 1481825	18	LONG. = 120 38 51.4	2.0
	Z = -249802	12	RAD. = 1740434.6	19.2
V2055	X = -871978	21	LAT. = -11 19 23.8	2.0
	Y = 1469012	20	LONG. = 120 41 33.3	2.1
	Z = -342077	15	RAD. = 1742228.3	21.5
20849	X = -876354	18	LAT. = -12 5 38.1	1.8
	Y = 1460203	19	LONG. = 120 58 13.6	2.0
	Z = -364901	18	RAD. = 1741649.1	22.1
3085A	X = -859563	17	LAT. = -12 58 26.6	1.4
	Y = 1459357	18	LONG. = 120 29 53.2	2.0
	Z = -390211	13	RAD. = 1738055.4	19.6
20853	X = -844553	16	LAT. = -13 57 15.1	1.4
	Y = 1460085	16	LONG. = 120 2 46.5	1.9
	Z = -419121	12	RAD. = 1738039.5	16.5
V2049	X = -910303	28	LAT. = - 8 23 47.3	1.8
	Y = 1462052	25	LONG. = 121 54 26.0	2.4
	Z = -254216	17	RAD. = 1740940.1	33.5
1728	X = -908761	18	LAT. = - 8 47 48.1	1.5
	Y = 1460504	20	LONG. = 121 53 27.2	2.1
	Z = -266192	13	RAD. = 1740625.4	21.6
20845	X = -906797	18	LAT. = -10 8 31.1	1.5
	Y = 1452182	19	LONG. = 121 58 56.0	2.1
	Z = -306256	13	RAD. = 1739226.4	19.4
20847	X = -891656	16	LAT. = -10 56 20.1	1.4
	Y = 1459514	16	LONG. = 121 25 18.7	2.0
	Z = -330562	12	RAD. = 1741982.7	16.2
316	X = -875051	17	LAT. = -12 49 14.6	1.6
	Y = 1453273	16	LONG. = 121 3 11.4	2.1
	Z = -386054	14	RAD. = 1739757.0	15.3
488	X = -873454	31	LAT. = -15 7 34.6	1.9
	Y = 1435145	27	LONG. = 121 19 31.5	2.6
	Z = -454138	20	RAD. = 1740345.9	36.9
A082B	X = -872195	16	LAT. = -15 15 2.7	1.4
	Y = 1434853	18	LONG. = 121 17 38.1	2.0
	Z = -457811	14	RAD. = 1740436.8	19.8

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1899	X = -925972 Y = 1427954 Z = -364457	22 20 15	LAT. = -12 5 13.7 LONG. = 122 57 42.6 RAD. = 1740489.8	2.0 2.2 22.0
20816	X = -906450 Y = 1435291 Z = -378354	17 21 22	LAT. = -12 33 53.2 LONG. = 122 16 27.2 RAD. = 1739213.4	2.2 2.2 23.0
31695	X = -917298 Y = 1413395 Z = -429845	17 18 13	LAT. = -14 18 40.4 LONG. = 122 59 1.4 RAD. = 1738932.5	1.4 2.0 19.6
31696	X = -908954 Y = 1413644 Z = -446119	16 16 12	LAT. = -14 51 57.7 LONG. = 122 44 25.7 RAD. = 1738853.3	1.3 1.9 16.4
31698	X = -902292 Y = 1411303 Z = -469245	16 16 12	LAT. = -15 38 57.3 LONG. = 122 35 31.5 RAD. = 1739568.4	1.3 1.9 16.4
V2016	X = -943648 Y = 1438041 Z = -270912	18 18 12	LAT. = - 8 57 3.2 LONG. = 123 16 22.9 RAD. = 1741214.5	1.4 2.0 18.9
31691	X = -948278 Y = 1410076 Z = -369594	16 17 12	LAT. = -12 16 14.7 LONG. = 123 55 15.2 RAD. = 1739006.7	1.4 2.0 16.8
31693	X = -937437 Y = 1410770 Z = -395779	17 19 15	LAT. = -13 9 6.2 LONG. = 123 36 12.5 RAD. = 1739454.6	1.5 2.0 19.5
314	X = -931309 Y = 1409412 Z = -412550	17 16 14	LAT. = -13 43 25.3 LONG. = 123 27 21.2 RAD. = 1738958.8	1.6 2.2 15.5
1726	X = -967849 Y = 1418600 Z = -288147	18 16 13	LAT. = - 9 31 29.6 LONG. = 124 18 14.4 RAD. = 1741317.5	1.5 2.1 16.2
V1894	X = -965556 Y = 1419405 Z = -295400	30 25 15	LAT. = - 9 45 48.9 LONG. = 124 13 32.3 RAD. = 1741915.3	1.6 2.5 33.7
31690	X = -954493 Y = 1413254 Z = -330204	18 21 22	LAT. = -10 57 29.6 LONG. = 124 2 4.4 RAD. = 1737060.2	2.3 2.2 23.1

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31672	X = -966212 Y = 1382338 Z = -423308	17 19 15	LAT. = -14 5 22.9 LONG. = 124 57 8.5 RAD. = 1738853.9	1.5 2.1 19.9
V187B	X = -994163 Y = 1398309 Z = -295636	22 21 15	LAT. = - 9 46 36.4 LONG. = 125 24 42.8 RAD. = 1740984.5	1.9 2.3 22.6
31669	X = -981230 Y = 1382386 Z = -384208	17 17 12	LAT. = -12 46 11.4 LONG. = 125 22 2.9 RAD. = 1738222.6	1.4 2.1 17.6
512	X = -986056 Y = 1364868 Z = -440425	18 16 14	LAT. = -14 39 29.7 LONG. = 125 50 47.1 RAD. = 1740444.4	1.6 2.2 15.7
31651	X = -973582 Y = 1370908 Z = -450902	18 18 13	LAT. = -15 0 41.3 LONG. = 125 22 52.8 RAD. = 1740851.4	1.4 2.1 19.7
V1849	X = -1029919 Y = 1369517 Z = -301746	19 21 13	LAT. = - 9 59 13.0 LONG. = 126 56 39.5 RAD. = 1739931.2	1.5 2.2 22.3
1724	X = -1024610 Y = 1372627 Z = -310558	20 21 13	LAT. = -10 16 35.7 LONG. = 126 44 23.4 RAD. = 1740798.2	1.5 2.2 22.2
V1851	X = -1010165 Y = 1378211 Z = -325866	21 20 13	LAT. = -10 47 46.4 LONG. = 126 14 22.9 RAD. = 1739565.3	1.5 2.2 22.4
31646	X = -1007552 Y = 1369830 Z = -375343	18 21 20	LAT. = -12 26 50.1 LONG. = 126 20 8.3 RAD. = 1741401.7	2.1 2.3 22.5
31649	X = -992535 Y = 1365861 Z = -416672	17 19 15	LAT. = -13 51 45.8 LONG. = 126 0 17.7 RAD. = 1739056.2	1.0 2.1 20.0
31628	X = -1004217 Y = 1347720 Z = -454518	19 21 19	LAT. = -15 7 57.4 LONG. = 126 41 26.3 RAD. = 1741088.2	1.9 2.3 22.7
U2099	X = -1048423 Y = 1349012 Z = -322501	23 21 15	LAT. = -10 41 22.0 LONG. = 127 51 12.9 RAD. = 1738686.9	2.0 2.3 23.2

TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

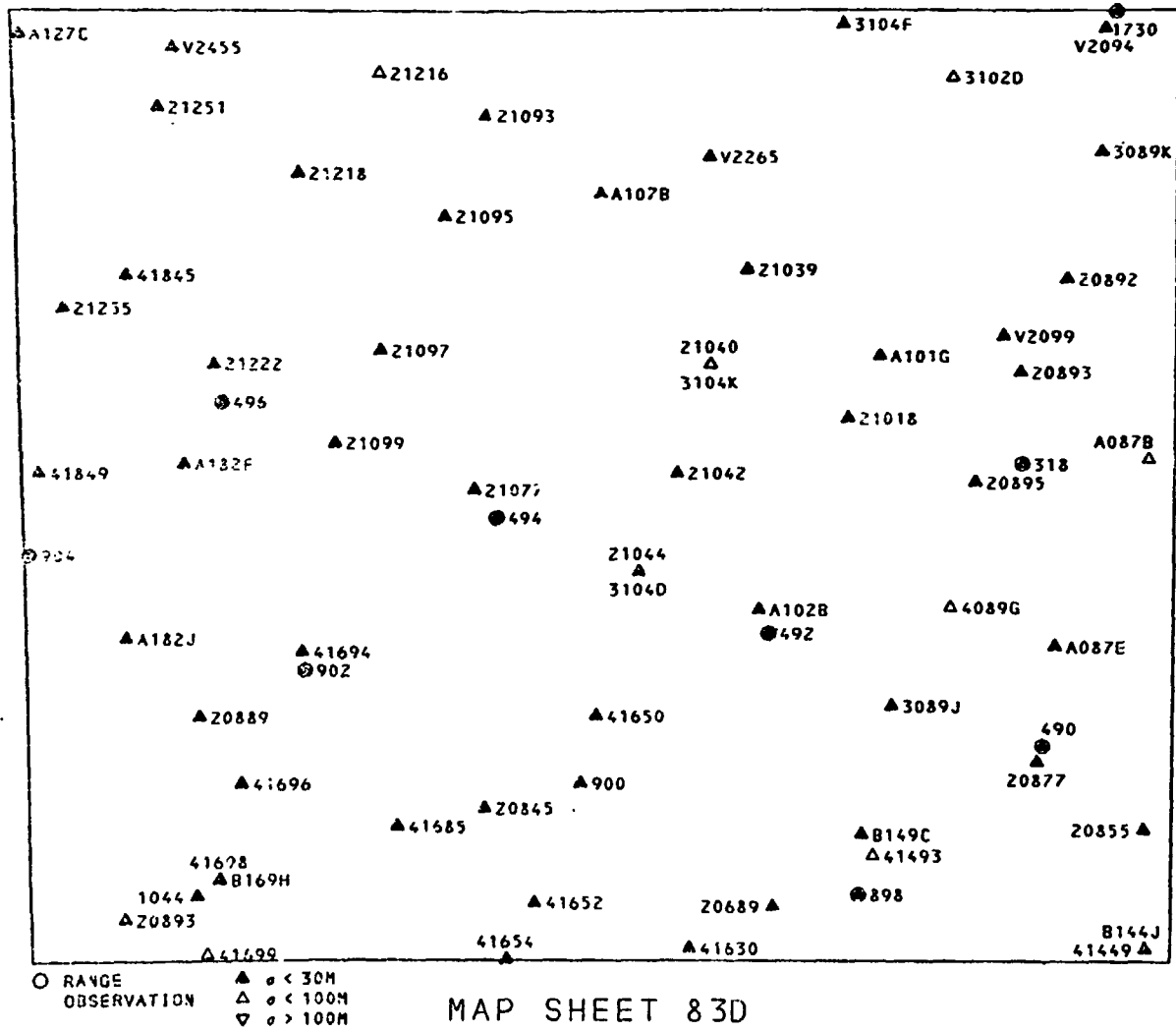
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31627	X = -1017653 Y = 1341383 Z = -441701	17 19 15	LAT. = -14 41 58.2 LONG. = 127 11 10.0 RAD. = 1740696.9	1.6 2.2 20.1
31494	X = -1030320 Y = 1321517 Z = -470169	18 18 14	LAT. = -15 40 23.2 LONG. = 127 56 30.2 RAD. = 1740409.6	1.5 2.2 19.9
1420	X = -1079400 Y = 1343868 Z = -248827	21 21 13	LAT. = - 8 12 51.6 LONG. = 128 46 17.6 RAD. = 1741551.5	1.5 2.3 22.7
U2094	X = -1067023 Y = 1352433 Z = -251998	21 20 13	LAT. = - 8 19 20.5 LONG. = 128 16 20.0 RAD. = 1741009.9	1.5 2.3 22.8
V1827	X = -1052981 Y = 1346657 Z = -307798	19 19 12	LAT. = -10 12 25.5 LONG. = 128 1 21.5 RAD. = 1736949.6	1.4 2.2 20.1
V1699	X = -1049731 Y = 1327815 Z = -403734	23 21 15	LAT. = -13 24 56.5 LONG. = 128 19 43.9 RAD. = 1740123.4	2.0 2.3 22.8
31493	X = -1041165 Y = 1321423 Z = -446164	18 19 15	LAT. = -14 51 12.1 LONG. = 128 14 6.0 RAD. = 1740472.7	1.6 2.2 20.0
310	X = -1038169 Y = 1316110 Z = -467299	18 17 14	LAT. = -15 34 36.8 LONG. = 128 16 1.0 RAD. = 1740203.9	1.6 2.3 16.2
V1689	X = -1100966 Y = 1324475 Z = -256604	19 19 14	LAT. = - 8 28 26.6 LONG. = 129 44 5.8 RAD. = 1741322.7	1.5 2.2 19.6
V1693	X = -1080038 Y = 1322863 Z = -318506	19 19 12	LAT. = -10 33 52.5 LONG. = 129 13 46.5 RAD. = 1737208.9	1.4 2.2 19.9
1722	X = -1078436 Y = 1322831 Z = -333495	21 21 13	LAT. = -11 3 22.8 LONG. = 129 11 19.0 RAD. = 1739001.5	1.5 2.3 22.8
V1695	X = -1074507 Y = 1326272 Z = -347954	21 21 13	LAT. = -11 31 18.7 LONG. = 129 0 48.2 RAD. = 1742020.7	1.5 2.3 22.3

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TERRAIN POINTS ON MAP SHEET 83C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31471	X = -1071930 Y = 1287715 Z = -469970	18 19 16	LAT. = -15 40 7.4 LONG. = 129 46 29.8 RAD. = 1740148.7	1.6 2.3 20.4

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TERRAIN POINTS ON MAP SHEET 83D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A127C	X = -589826 Y = 1614812 Z = -247658	15 22 18	LAT. = - 8 11 50.9 LONG. = 110 3 54.8 RAD. = 1736906.7	2.0 1.9 23.1
41845	X = -612087 Y = 1599809 Z = -308925	15 21 19	LAT. = -10 13 24.6 LONG. = 110 56 12.7 RAD. = 1740538.4	2.1 1.9 21.5
21255	X = -595996 Y = 1603896 Z = -317143	13 15 11	LAT. = -10 30 2.2 LONG. = 110 23 4.8 RAD. = 1740193.7	1.2 1.5 15.0
41349	X = -586307 Y = 1598164 Z = -358433	13 15 12	LAT. = -11 53 25.0 LONG. = 110 8 46.4 RAD. = 1739643.4	1.3 1.5 15.8
904	X = -582071 Y = 1595720 Z = -379245	15 14 13	LAT. = -12 35 10.3 LONG. = 110 2 25.6 RAD. = 1740389.4	1.5 1.8 14.3
A182J	X = -603237 Y = 1582207 Z = -400032	18 22 14	LAT. = -13 17 31.4 LONG. = 110 52 12.0 RAD. = 1739913.9	1.9 1.9 22.0
Z0893	X = -595460 Y = 1566338 Z = -469510	14 17 13	LAT. = -15 39 7.8 LONG. = 110 48 53.4 RAD. = 1740238.0	1.4 1.7 17.9
V2455	X = -626974 Y = 1602145 Z = -251244	17 21 16	LAT. = - 8 18 30.1 LONG. = 111 22 19.5 RAD. = 1738703.1	2.0 1.8 21.0
21251	X = -622722 Y = 1602887 Z = -266504	14 18 12	LAT. = - 8 48 34.7 LONG. = 111 13 52.2 RAD. = 1740130.5	1.4 1.6 18.3
21222	X = -630744 Y = 1586723 Z = -330903	13 16 11	LAT. = -10 58 3.7 LONG. = 111 40 42.6 RAD. = 1739259.7	1.3 1.6 16.4
496	X = -631879 Y = 1584435 Z = -340615	16 15 15	LAT. = -11 17 32.7 LONG. = 111 44 32.3 RAD. = 1739460.5	1.8 2.0 14.4
A182F	X = -621644 Y = 1586136 Z = -356352	16 21 13	LAT. = -11 48 52.3 LONG. = 111 24 4.9 RAD. = 1740475.9	1.6 1.8 21.8

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20889	X = -617720	14	LAT. = -13 57 8.2	1.8
	Y = 1568772	17	LONG. = 111 29 33.1	1.8
	Z = -418873	17	RAD. = 1737262.7	18.6
41696	X = -625962	13	LAT. = -14 30 50.9	1.3
	Y = 1561064	15	LONG. = 111 51 .0	1.6
	Z = -435408	12	RAD. = 1737333.8	15.1
41698	X = -619218	13	LAT. = -15 18 57.4	1.3
	Y = 1560222	15	LONG. = 111 38 49.4	1.6
	Z = -459717	12	RAD. = 1740420.8	15.3
B169H	X = -619338	16	LAT. = -15 19 1.0	1.6
	Y = 1560230	21	LONG. = 111 39 2.7	1.9
	Z = -459763	15	RAD. = 1740482.9	22.5
1044	X = -613130	16	LAT. = -15 27 19.3	1.6
	Y = 1560706	21	LONG. = 111 26 51.3	1.9
	Z = -463617	14	RAD. = 1739733.2	22.5
41699	X = -613990	20	LAT. = -15 56 47.1	3.6
	Y = 1556567	41	LONG. = 111 31 36.6	2.1
	Z = -478114	22	RAD. = 1740252.3	36.6
21218	X = -655297	14	LAT. = - 9 21 39.7	1.4
	Y = 1587548	18	LONG. = 112 25 46.3	1.7
	Z = -283126	13	RAD. = 1740656.3	18.6
21099	X = -656929	16	LAT. = -11 38 18.3	1.5
	Y = 1568927	19	LONG. = 112 43 10.8	1.8
	Z = -350335	12	RAD. = 1736612.4	19.6
41694	X = -644737	14	LAT. = -13 24 10.4	1.4
	Y = 1564188	17	LONG. = 112 24 2.9	1.7
	Z = -403146	12	RAD. = 1739223.4	17.3
902	X = -644639	16	LAT. = -13 33 26.4	1.8
	Y = 1562346	15	LONG. = 112 25 17.5	2.0
	Z = -407549	15	RAD. = 1738556.9	14.4
21216	X = -676079	22	LAT. = - 8 31 21.3	2.9
	Y = 1582215	33	LONG. = 113 8 13.1	2.0
	Z = -257840	21	RAD. = 1739818.2	27 3
21095	X = -689342	15	LAT. = - 9 43 43.4	1.4
	Y = 1570826	18	LONG. = 113 41 37.7	1.7
	Z = -294151	13	RAD. = 1740463.0	18.8

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21097	X = -669720 Y = 1568324 Z = -327166	14 16 12	LAT. = -10 51 36.6 LONG. = 113 7 26.0 RAD. = 1736433.5	1.3 1.6 16.5
21077	X = -690601 Y = 1556342 Z = -363022	16 18 12	LAT. = -12 2 8.2 LONG. = 113 55 42.4 RAD. = 1740952.1	1.4 1.8 18.6
20845	X = -684373 Y = 1538290 Z = -4423 6	14 18 17	LAT. = -14 43 10.7 LONG. = 113 59 2.1 RAD. = 1740788.8	1.7 1.8 18.5
41685	X = -662675 Y = 1545124 Z = -446418	13 15 11	LAT. = -14 52 14.1 LONG. = 113 12 48.9 RAD. = 1739493.1	1.3 1.6 14.5
21093	X = -700622 Y = 1569629 Z = -268572	18 21 15	LAT. = - 8 52 49.7 LONG. = 114 3 15.0 RAD. = 1739751.9	2.0 1.9 21.5
494	X = -695060 Y = 1552493 Z = -370005	15 15 13	LAT. = -12 16 19.4 LONG. = 114 7 5.9 RAD. = 1740760.5	1.6 1.9 14.5
41650	X = -712814 Y = 1530249 Z = -419151	14 16 12	LAT. = -13 56 39.1 LONG. = 114 58 36.6 RAD. = 1739383.0	1.3 1.7 15.9
900	X = -706167 Y = 1525889 Z = -435139	18 22 16	LAT. = -14 30 35.3 LONG. = 114 50 3.3 RAD. = 1736765.4	1.8 2.2 22.8
41652	X = -692053 Y = 1524344 Z = -464719	13 15 11	LAT. = -15 30 51.9 LONG. = 114 25 5.1 RAD. = 1737390.6	1.3 1.7 15.0
41654	X = -684299 Y = 1525282 Z = -479074	17 17 15	LAT. = -15 59 26.6 LONG. = 114 9 46.1 RAD. = 1739040.5	1.7 2.0 18.1
V2265	X = -752722 Y = 1543777 Z = -279253	19 21 14	LAT. = - 9 14 6.0 LONG. = 115 59 35.4 RAD. = 1740063.3	1.8 2.0 22.0
A1078	X = -726297 Y = 1554352 Z = -288432	16 22 21	LAT. = - 9 32 35.3 LONG. = 115 2 42.5 RAD. = 1739744.2	2.2 2.0 22.5

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TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

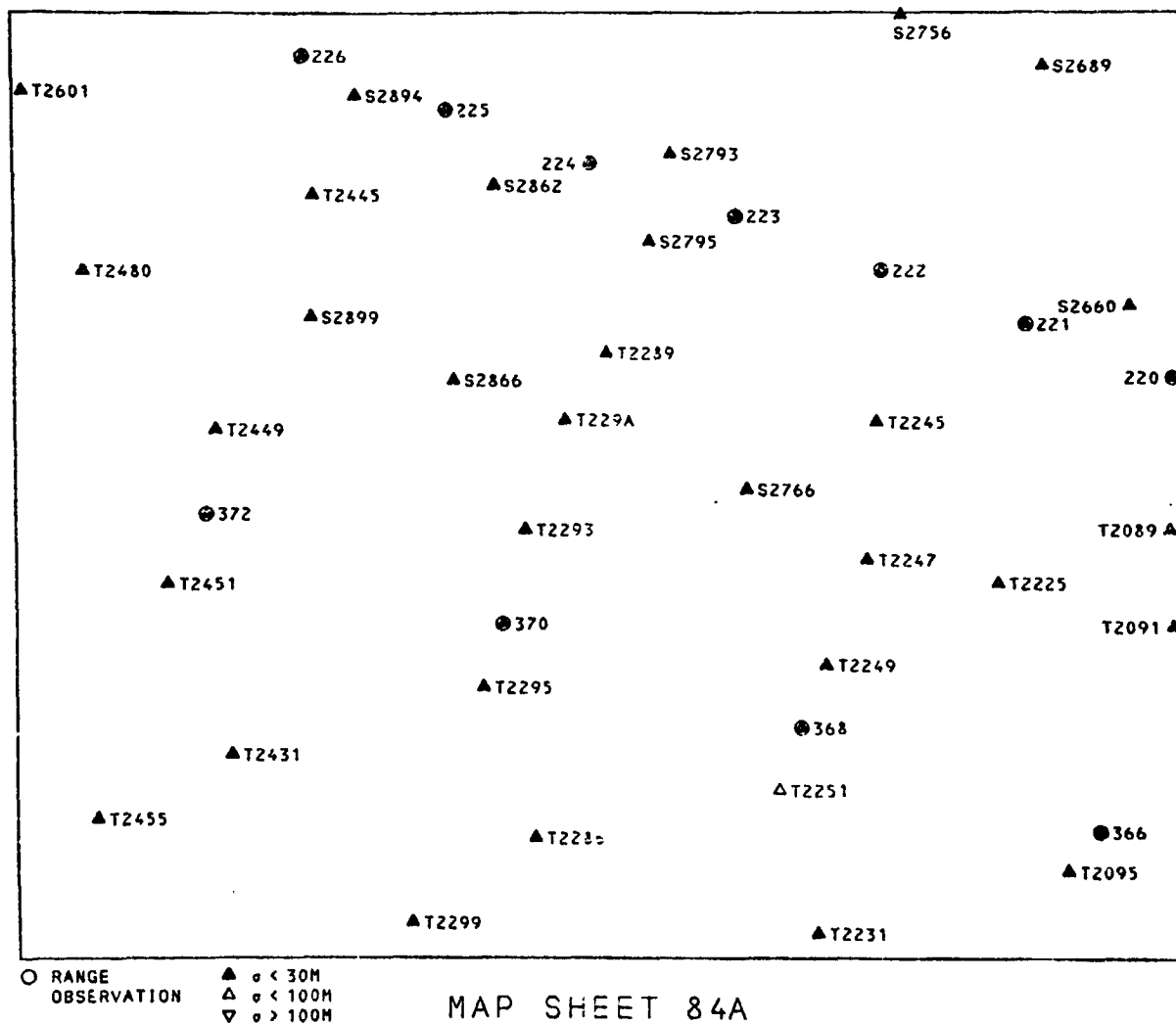
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21040	X = -748068 Y = 1534024 Z = -331155	32 29 18	LAT. = -10 58 50.7 LONG. = 115 59 46.4 RAD. = 1738533.8	1.8 2.7 37.9
3104K	X = -748073 Y = 1534042 Z = -331168	19 39 15	LAT. = -10 58 51.9 LONG. = 115 59 46.0 RAD. = 1738554.0	1.9 2.3 38.1
21042	X = -738352 Y = 1534010 Z = -358612	16 18 12	LAT. = -11 53 42.4 LONG. = 115 42 9.1 RAD. = 1739814.1	1.4 1.8 19.1
21044	X = -726868 Y = 1533586 Z = -383189	23 39 21	LAT. = -12 43 24.0 LONG. = 115 21 33.8 RAD. = 1739843.7	3.3 2.2 37.8
3104D	X = -726863 Y = 1533567 Z = -383203	17 17 12	LAT. = -12 43 26.1 LONG. = 115 21 34.1 RAD. = 1739828.2	1.4 1.9 18.6
41630	X = -726684 Y = 1504151 Z = -475714	14 16 12	LAT. = -15 53 44.3 LONG. = 115 47 9.8 RAD. = 1736906.5	1.4 1.8 15.7
21039	X = -759077 Y = 1534762 Z = -307575	15 18 14	LAT. = -10 11 1.4 LONG. = 116 18 59.4 RAD. = 1739625.3	1.5 1.8 19.2
A102B	X = -754043 Y = 1518239 Z = -392815	17 21 14	LAT. = -13 2 47.7 LONG. = 116 24 41.7 RAD. = 1740096.2	1.6 2.0 22.5
492	X = -755050 Y = 1515040 Z = -398493	16 15 14	LAT. = -13 14 48.5 LONG. = 116 29 25.0 RAD. = 1739035.5	1.6 2.0 15.1
Z0689	X = -747487 Y = 1497786 Z = -465642	15 18 17	LAT. = -15 32 41.9 LONG. = 116 31 19.2 RAD. = 1737504.7	1.8 1.9 19.5
3104F	X = -784883 Y = 1531361 Z = -245475	17 23 21	LAT. = - 8 7 7.0 LONG. = 117 8 13.0 RAD. = 1738207.2	2.3 2.1 23.7
A101G	X = -788509 Y = 1516994 Z = -329473	17 22 21	LAT. = -10 54 28.0 LONG. = 117 27 52.8 RAD. = 1741139.9	2.2 2.3 22.3

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
21018	X = -779694 Y = 1518118 Z = -345144	16 21 18	LAT. = -11 25 59.1 LONG. = 117 11 4.9 RAD. = 1741186.9	1.9 2.0 22.3
3089J	X = -781107 Y = 1496237 Z = -416432	17 19 12	LAT. = -13 51 33.7 LONG. = 117 34 .1 RAD. = 1738467.3	1.5 1.9 19.7
B149C	X = -771578 Y = 1494670 Z = -448756	16 21 20	LAT. = -14 56 16.4 LONG. = 117 18 13.2 RAD. = 1740905.9	2.1 2.1 22.3
41493	X = -773595 Y = 1492362 Z = -454057	28 27 22	LAT. = -15 6 57.3 LONG. = 117 24 3.1 RAD. = 1741195.3	2.0 2.5 36.1
898	X = -769252 Y = 1492011 Z = -463718	18 15 15	LAT. = -15 26 33.3 LONG. = 117 16 29.1 RAD. = 1741516.6	1.8 2.2 15.2
3102D	X = -810109 Y = 1517854 Z = -259067	20 33 34	LAT. = - 8 33 46.9 LONG. = 118 5 23.0 RAD. = 1739906.0	3.6 2.3 37.3
V2099	X = -815184 Y = 1499780 Z = -323861	20 21 15	LAT. = -10 44 33.4 LONG. = 118 31 32.4 RAD. = 1737455.8	2.1 2.1 22.2
20893	X = -818732 Y = 1496659 Z = -333034	16 18 15	LAT. = -11 2 46.3 LONG. = 118 40 49.4 RAD. = 1738166.5	1.6 1.9 19.5
318	X = -817585 Y = 1493751 Z = -356332	17 16 13	LAT. = -11 49 8.0 LONG. = 118 41 36.7 RAD. = 1739744.6	1.6 2.1 15.3
20895	X = -805842 Y = 1497088 Z = -360596	17 20 13	LAT. = -11 58 28.2 LONG. = 118 17 32.6 RAD. = 1738011.2	1.5 2.0 20.6
4089G	X = -796678 Y = 1493249 Z = -391614	24 28 38	LAT. = -13 1 41.1 LONG. = 118 4 50.9 RAD. = 1737196.0	3.8 2.3 38.1
A087E	X = -819156 Y = 1478410 Z = -401333	17 23 18	LAT. = -13 21 27.0 LONG. = 118 59 23.7 RAD. = 1737176.4	1.8 2.1 24.5

TERRAIN POINTS ON MAP SHEET 83D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
490	X = -813431 Y = 1474707 Z = -425929	17 16 14	LAT. = -14 11 33.4 LONG. = 118 52 50.2 RAD. = 1737195.1	1.6 2.1 15.7
20877	X = -811867 Y = 1474556 Z = -429907	17 19 12	LAT. = -14 19 37.0 LONG. = 118 50 11.3 RAD. = 1737314.8	1.5 1.9 19.7
1730	X = -847993 Y = 1500488 Z = -242573	17 16 12	LAT. = - 8 0 40.7 LONG. = 119 28 21.8 RAD. = 1740516.5	1.5 2.0 15.8
V2094	X = -845312 Y = 1501495 Z = -246763	18 20 13	LAT. = - 8 8 59.6 LONG. = 119 22 43.2 RAD. = 1740669.5	1.5 2.0 21.6
3089K	X = -840402 Y = 1494438 Z = -277422	17 22 21	LAT. = - 9 11 28.1 LONG. = 119 21 4.8 RAD. = 1736831.4	2.2 2.1 23.4
20892	X = -830238 Y = 1493611 Z = -309433	16 16 11	LAT. = -10 15 49.4 LONG. = 119 4 4.4 RAD. = 1736640.2	1.3 1.9 16.4
A087B	X = -846159 Y = 1478849 Z = -355237	24 28 37	LAT. = -11 46 37.9 LONG. = 119 46 37.4 RAD. = 1740452.5	3.7 2.3 37.4
20855	X = -834412 Y = 1459337 Z = -447111	16 16 12	LAT. = -14 53 39.3 LONG. = 119 45 35.4 RAD. = 1739487.2	1.4 1.9 16.9
B144J	X = -831325 Y = 1452744 Z = -476424	23 26 36	LAT. = -15 53 18.2 LONG. = 119 46 48.5 RAD. = 1740271.8	3.4 2.3 36.3
41449	X = -831510 Y = 1452776 Z = -476659	18 20 15	LAT. = -15 53 41.0 LONG. = 119 47 6.3 RAD. = 1740451.4	1.6 2.1 22.1



TERRAIN POINTS ON MAP SHEET 84A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2601	X = -1120543 Y = 1331640 Z = -20032	20 23 18	LAT. = - 0 39 34.0 LONG. = 130 4 47.3 RAD. = 1740483.9	2.1 2.4 22.6
T2480	X = -1131296 Y = 1320479 Z = -66170	21 19 13	LAT. = - 2 10 45.5 LONG. = 130 35 15.7 RAD. = 1740078.2	1.5 2.3 20.2
T2455	X = -1125145 Y = 1308610 Z = -206307	19 18 12	LAT. = - 6 49 .9 LONG. = 130 41 20.4 RAD. = 1738094.7	1.5 2.2 18.6
T2449	X = -1156185 Y = 1296752 Z = -107067	21 21 14	LAT. = - 3 31 35.5 LONG. = 131 43 12.8 RAD. = 1740629.9	1.6 2.3 22.5
372	X = -1153566 Y = 1297754 Z = -128743	20 18 13	LAT. = - 4 14 25.8 LONG. = 131 38 1.3 RAD. = 1741107.5	1.6 2.3 18.6
T2451	X = -1144598 Y = 1302988 Z = -146640	22 21 14	LAT. = - 4 49 58.6 LONG. = 131 17 50.6 RAD. = 1740513.6	1.6 2.3 22.6
T2431	X = -1153177 Y = 1287967 Z = -190194	19 18 13	LAT. = - 6 16 41.6 LONG. = 131 50 22.5 RAD. = 1739209.4	1.5 2.2 18.5
226	X = -1175174 Y = 1283611 Z = -11004	22 19 14	LAT. = - 0 21 44.2 LONG. = 132 28 29.3 RAD. = 1740348.5	1.7 2.4 20.9
S2894	X = -1185445 Y = 1274350 Z = -21210	27 22 14	LAT. = - 0 41 53.5 LONG. = 132 55 48.2 RAD. = 1740602.3	1.7 2.4 28.1
T2445	X = -1175343 Y = 1279926 Z = -46724	20 18 13	LAT. = - 1 32 24.7 LONG. = 132 33 39.4 RAD. = 1738340.1	1.5 2.3 19.2
S2899	X = -1176421 Y = 1281847 Z = -78210	28 21 18	LAT. = - 2 34 25.8 LONG. = 132 32 39.5 RAD. = 1741613.0	2.1 2.5 27.9
225	X = -1203425 Y = 1258864 Z = -24862	22 19 14	LAT. = - 0 49 4.4 LONG. = 133 42 36.7 RAD. = 1741719.8	1.7 2.4 20.7

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

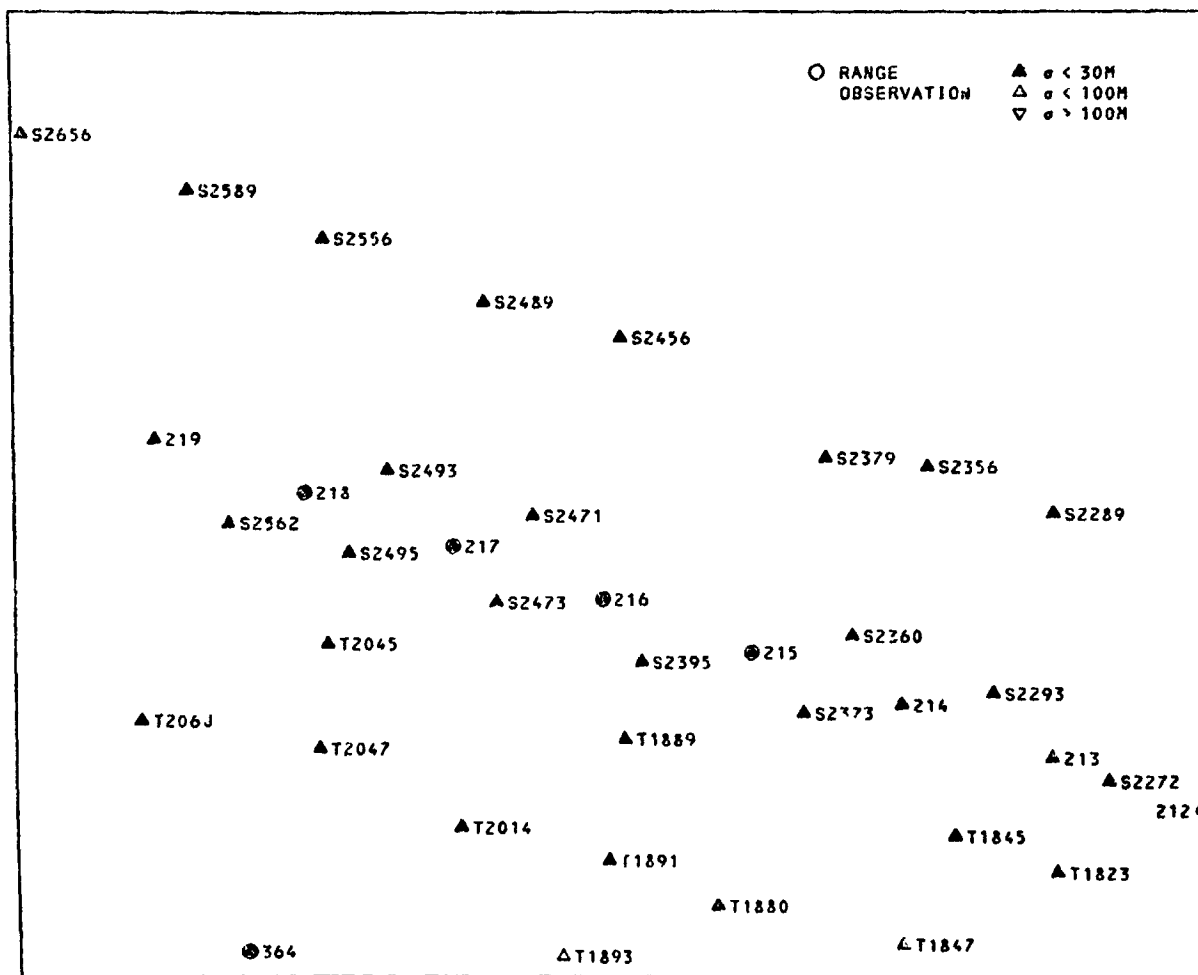
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2866	X = -1202277 Y = 1254927 Z = -94409	29 21 18	LAT. = - 3 6 34.0 LONG. = 133 46 21.1 RAD. = 1740466.8	2.2 2.6 28.3
T2299	X = -1184947 Y = 1253742 Z = -233275	24 21 16	LAT. = - 7 42 3.8 LONG. = 133 23 2.9 RAD. = 1740800.3	2.0 2.4 23.2
224	X = -1229631 Y = 1231833 Z = -38678	22 19 14	LAT. = - 1 16 22.9 LONG. = 134 56 55.5 RAD. = 1740948.4	1.7 2.4 20.4
S2862	X = -1210352 Y = 1247866 Z = -44356	28 22 14	LAT. = - 1 27 41.7 LONG. = 134 7 32.5 RAD. = 1738990.2	1.7 2.5 28.6
T229A	X = -1224203 Y = 1235811 Z = -104748	29 20 17	LAT. = - 3 26 45.7 LONG. = 134 43 46.7 RAD. = 1742662.6	2.1 2.6 27.4
T2293	X = -1212927 Y = 1239288 Z = -132674	22 21 14	LAT. = - 4 22 30.6 LONG. = 134 23 2.8 RAD. = 1739146.4	1.6 2.4 23.3
370	X = -1206560 Y = 1241455 Z = -156703	20 18 14	LAT. = - 5 10 19.9 LONG. = 134 11 .1 RAD. = 1738261.5	1.6 2.4 18.5
T2295	X = -1203859 Y = 1245781 Z = -173267	22 21 14	LAT. = - 5 42 41.2 LONG. = 134 1 10.5 RAD. = 1741053.7	1.6 2.4 23.0
T2286	X = -1208560 Y = 1231735 Z = -211407	20 18 13	LAT. = - 6 59 4.2 LONG. = 134 27 21.2 RAD. = 1738528.0	1.5 2.3 18.9
S2793	X = -1243527 Y = 1216268 Z = -36256	27 22 15	LAT. = - 1 11 38.6 LONG. = 135 38 5.7 RAD. = 1739821.7	1.7 2.4 28.0
S2795	X = -1240760 Y = 1221428 Z = -58902	27 21 14	LAT. = - 1 56 15.4 LONG. = 135 26 59.5 RAD. = 1742079.7	1.6 2.5 27.4
T2289	X = -1231492 Y = 1228217 Z = -87503	21 19 13	LAT. = - 2 52 48.5 LONG. = 135 4 34.6 RAD. = 1741477.8	1.5 2.3 20.1

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
223	X = -1256068 Y = 1204994 Z = -52450	22 19 14	LAT. = - 1 43 33.6 LONG. = 136 11 19.9 RAD. = 1741398.2	1.6 2.4 20.6
S2766	X = -1254979 Y = 1200083 Z = -122561	29 21 17	LAT. = - 4 2 14.5 LONG. = 136 16 51.4 RAD. = 1740744.9	2.2 2.6 27.8
T2249	X = -1266784 Y = 1182813 Z = -167654	22 21 14	LAT. = - 5 31 30.9 LONG. = 136 57 47.9 RAD. = 1741233.9	1.6 2.4 22.7
368	X = -1260802 Y = 1186192 Z = -183617	22 19 15	LAT. = - 6 3 17.0 LONG. = 136 44 47.2 RAD. = 1740801.0	1.7 2.6 18.9
T2251	X = -1255276 Y = 1188879 Z = -199524	34 22 15	LAT. = - 6 34 59.0 LONG. = 136 33 21.9 RAD. = 1740391.6	1.7 2.8 33.0
T2231	X = -1258087 Y = 1177875 Z = -235826	20 18 13	LAT. = - 7 47 30.3 LONG. = 136 53 9.5 RAD. = 1739478.5	1.5 2.4 19.2
S2756	X = -1286764 Y = 1174893 Z = -568	25 23 20	LAT. = - 0 1 7.3 LONG. = 137 36 7.4 RAD. = 1742450.8	2.4 2.4 27.2
222	X = -1279686 Y = 1175427 Z = -66140	21 19 14	LAT. = - 2 10 47.5 LONG. = 137 25 54.0 RAD. = 1738850.1	1.6 2.4 20.2
T2245	X = -1278565 Y = 1175881 Z = -105145	20 18 13	LAT. = - 3 27 50.0 LONG. = 137 23 44.3 RAD. = 1740252.9	1.5 2.3 19.4
T2247	X = -1274942 Y = 1176017 Z = -140477	20 18 13	LAT. = - 4 37 49.0 LONG. = 137 18 40.7 RAD. = 1740180.6	1.5 2.3 19.4
S2689	X = -1311029 Y = 1146976 Z = -13639	24 23 20	LAT. = - 0 26 55.0 LONG. = 138 49 6.2 RAD. = 1741992.2	2.4 2.4 26.5
221	X = -1306848 Y = 1149142 Z = -80040	22 19 14	LAT. = - 2 38 .3 LONG. = 138 40 26.7 RAD. = 1742063.8	1.6 2.4 20.4

TERRAIN POINTS ON MAP SHEET 84A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2225	X = -1295906 Y = 1149013 Z = -146257	21 19 13	LAT. = - 4 49 37.2 LONG. = 138 26 17.7 RAD. = 1738101.1	1.5 2.4 20.4
S2660	X = -1324794 Y = 1129073 Z = -75401	26 21 15	LAT. = - 2 28 49.4 LONG. = 139 33 37.0 RAD. = 1742289.2	1.7 2.4 26.3
220	X = -1330197 Y = 1119336 Z = -93667	22 19 14	LAT. = - 3 5 2.5 LONG. = 139 55 12.0 RAD. = 1741008.4	1.6 2.4 20.1
T2089	X = -1325955 Y = 1116335 Z = -132547	21 19 13	LAT. = - 4 22 22.5 LONG. = 139 54 20.3 RAD. = 1738369.9	1.5 2.4 19.7
T2091	X = -1327102 Y = 1116299 Z = -157570	21 19 13	LAT. = - 5 11 30.3 LONG. = 139 55 51.5 RAD. = 1741307.0	1.5 2.4 19.9
366	X = -1311379 Y = 1127170 Z = -210236	21 19 14	LAT. = - 6 55 54.8 LONG. = 139 19 11.8 RAD. = 1741961.0	1.6 2.5 18.9
T2095	X = -1304193 Y = 1131725 Z = -220216	23 20 14	LAT. = - 7 16 3.9 LONG. = 139 2 59.7 RAD. = 1740751.7	1.6 2.5 22.8



MAP SHEET 84B

TERRAIN POINTS ON MAP SHEET 84R

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2656	X = -1335300 Y = 1117195 Z = -30415	25 23 20	LAT. = - 1 0 3.0 LONG. = 140 4 55.4 RAD. = 1741286.2	2.3 2.4 26.6
S2589	X = -1361333 Y = 1084770 Z = -44585	25 23 20	LAT. = - 1 28 2.0 LONG. = 141 27 2.3 RAD. = 1741246.7	2.3 2.5 26.8
219	X = -1352888 Y = 1089000 Z = -107210	26 23 14	LAT. = - 3 31 56.7 LONG. = 141 10 4.3 RAD. = 1740034.8	1.6 2.5 27.2
S2562	X = -1365520 Y = 1075114 Z = -128472	27 21 14	LAT. = - 4 13 39.6 LONG. = 141 47 8.2 RAD. = 1742704.8	1.6 2.5 26.5
T206J	X = -1345614 Y = 1088061 Z = -177797	30 20 17	LAT. = - 5 51 58.5 LONG. = 141 2 27.8 RAD. = 1739588.3	2.2 2.7 27.7
364	X = -1360183 Y = 1065830 Z = -236277	21 19 14	LAT. = - 7 47 9.2 LONG. = 141 55 4.8 RAD. = 1744110.0	1.6 2.5 19.3
S2556	X = -1382203 Y = 1057295 Z = -56801	25 23 20	LAT. = - 1 52 10.2 LONG. = 142 35 11.0 RAD. = 1741144.4	2.3 2.5 26.9
218	X = -1376353 Y = 1059321 Z = -120787	22 19 14	LAT. = - 3 58 41.6 LONG. = 142 24 57.8 RAD. = 1741005.3	1.6 2.5 20.5
S2495	X = -1382559 Y = 1049822 Z = -136908	27 20 14	LAT. = - 4 28 47.3 LONG. = 142 47 21.9 RAD. = 1741290.6	1.6 2.6 26.2
T2045	X = -1376673 Y = 1052495 Z = -158754	21 19 13	LAT. = - 5 14 3.6 LONG. = 142 36 4.8 RAD. = 1740165.7	1.5 2.4 20.1
T2047	X = -1373475 Y = 1052981 Z = -185096	21 19 13	LAT. = - 6 6 16.7 LONG. = 142 31 27.3 RAD. = 1740535.5	1.5 2.4 20.0
S2489	X = -1405704 Y = 1023765 Z = -72879	25 22 19	LAT. = - 2 23 59.2 LONG. = 143 56 3.8 RAD. = 1740520.1	2.2 2.5 26.4

TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2493	X = -1389661 Y = 1042604 Z = -115181	26 21 15	LAT. = - 3 47 35.2 LONG. = 143 7 14.3 RAD. = 1741105.2	1.7 2.5 26.2
217	X = -1398161 Y = 1028256 Z = -134247	22 19 14	LAT. = - 4 25 23.0 LONG. = 143 40 4.6 RAD. = 1740743.1	1.6 2.5 20.7
T2014	X = -1394025 Y = 1023381 Z = -204967	22 19 13	LAT. = - 6 45 33.7 LONG. = 143 43 .8 RAD. = 1741443.0	1.5 2.5 20.9
S2471	X = -1409859 Y = 1011690 Z = -126539	27 21 15	LAT. = - 4 10 14.5 LONG. = 144 20 14.8 RAD. = 1739894.1	1.7 2.5 26.9
216	X = -1418771 Y = 996327 Z = -147608	23 20 14	LAT. = - 4 51 59.7 LONG. = 144 55 18.1 RAD. = 1739933.0	1.7 2.6 20.8
S2473	X = -1403279 Y = 1018615 Z = -148378	28 20 14	LAT. = - 4 53 27.1 LONG. = 144 1 29.2 RAD. = 1740339.7	1.6 2.6 26.8
T1891	X = -1414367 Y = 991812 Z = -213175	22 19 13	LAT. = - 7 2 5.7 LONG. = 144 57 37.1 RAD. = 1740565.5	1.5 2.5 20.5
T1893	X = -1405059 Y = 999623 Z = -237021	34 22 20	LAT. = - 7 49 35.4 LONG. = 144 34 12.8 RAD. = 1740578.8	2.1 2.9 33.3
S2456	X = -1425124 Y = 994632 Z = -81838	25 22 20	LAT. = - 2 41 46.0 LONG. = 145 5 16.0 RAD. = 1739818.9	2.3 2.5 26.9
S2395	X = -1423183 Y = 987381 Z = -163374	28 20 14	LAT. = - 5 23 17.1 LONG. = 145 14 51.8 RAD. = 1739845.6	1.6 2.6 26.5
T1889	X = -1419786 Y = 990143 Z = -182785	22 19 13	LAT. = - 6 1 40.8 LONG. = 145 6 30.7 RAD. = 1740570.9	1.5 2.5 20.5
T1880	X = -1428107 Y = 967565 Z = -224328	23 19 13	LAT. = - 7 24 33.9 LONG. = 145 52 54.3 RAD. = 1739538.7	1.5 2.5 21.4

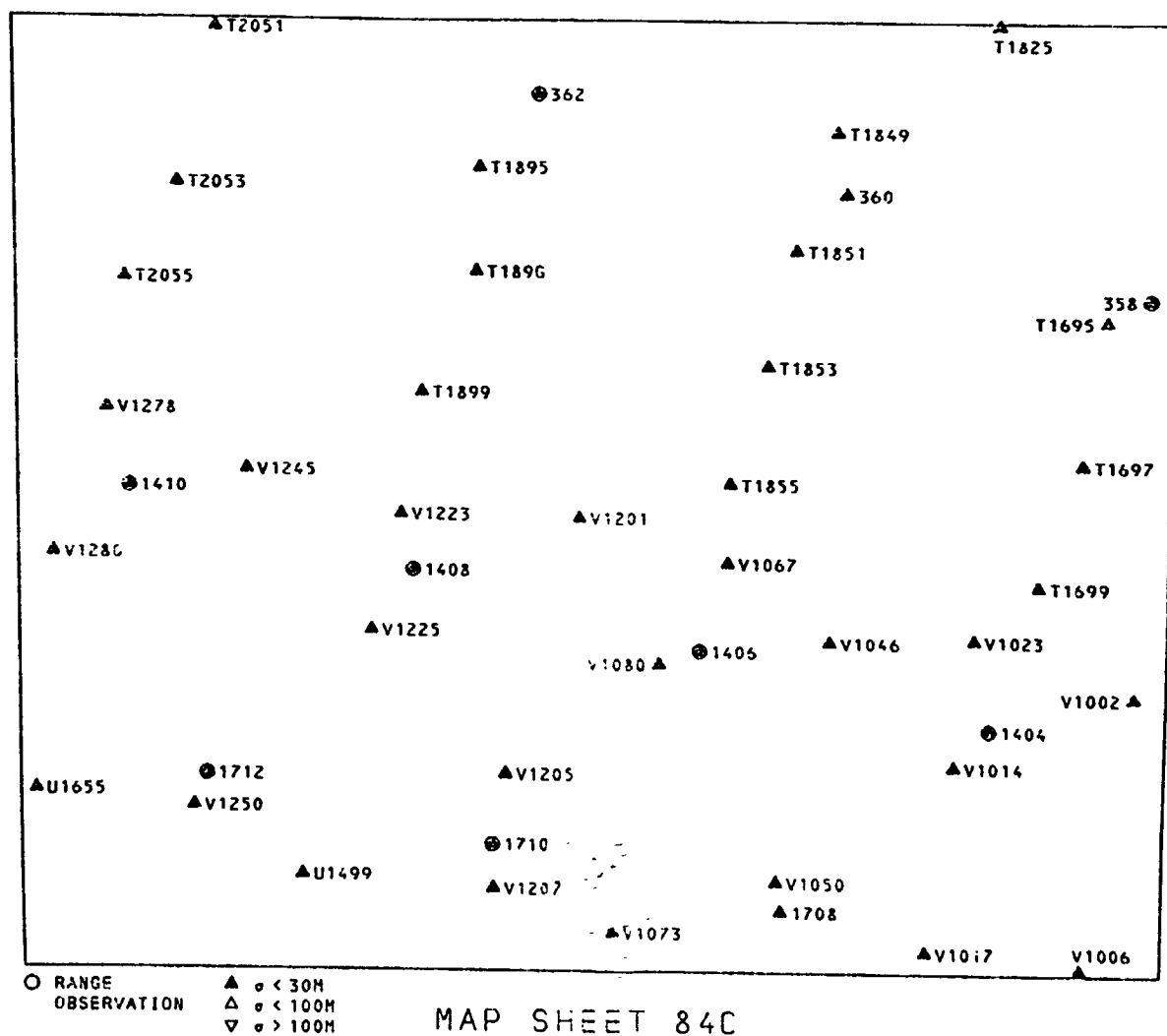
TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2379	X = -1452615 Y = 950593 Z = -112184	25 23 18	LAT. = - 3 41 50.7 LONG. = 146 47 57.2 RAD. = 1739627.0	2.0 2.6 26.8
215	X = -1438378 Y = 963788 Z = -160887	23 20 14	LAT. = - 5 18 31.6 LONG. = 146 10 33.1 RAD. = 1738879.7	1.6 2.6 21.0
S2373	X = -1444640 Y = 952282 Z = -176172	28 21 14	LAT. = - 5 48 49.3 LONG. = 146 36 28.1 RAD. = 1739213.2	1.6 2.6 27.3
S2356	X = -1467366 Y = 929085 Z = -114368	26 23 20	LAT. = - 3 46 3.2 LONG. = 147 39 34.0 RAD. = 1740528.8	2.2 2.6 27.0
S2360	X = -1453124 Y = 943004 Z = -156826	27 21 15	LAT. = - 5 10 22.6 LONG. = 147 1 6.5 RAD. = 1739374.0	1.7 2.6 27.2
214	X = -1458843 Y = 931761 Z = -174214	27 22 14	LAT. = - 5 44 49.4 LONG. = 147 26 1.3 RAD. = 1739756.1	1.6 2.6 27.3
T1845	X = -1463306 Y = 918563 Z = -206994	22 20 14	LAT. = - 6 49 54.8 LONG. = 147 52 56.0 RAD. = 1740077.0	1.6 2.6 21.2
T1847	X = -1454000 Y = 928256 Z = -234099	22 20 13	LAT. = - 7 43 41.4 LONG. = 147 26 42.8 RAD. = 1740855.4	1.5 2.6 20.7
S2289	X = -1483213 Y = 901373 Z = -126136	26 22 20	LAT. = - 4 9 23.9 LONG. = 148 42 44.1 RAD. = 1740202.2	2.3 2.6 26.9
S2293	X = -1472201 Y = 912524 Z = -171308	27 21 15	LAT. = - 5 38 54.1 LONG. = 148 12 28.3 RAD. = 1740523.3	1.7 2.6 26.7
213	X = -1476693 Y = 898050 Z = -187226	27 22 14	LAT. = - 6 10 57.4 LONG. = 148 41 38.9 RAD. = 1738438.2	1.6 2.6 27.4
T1823	X = -1475987 Y = 896059 Z = -216078	23 20 13	LAT. = - 7 7 58.5 LONG. = 148 44 18.3 RAD. = 1740158.3	1.5 2.6 21.8

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TERRAIN POINTS ON MAP SHEET 84B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
32272	X = -1481808	28	LAT. = - 6 22 30.1	1.6
	Y = 884587	21	LONG. = 149 9 51.5	2.7
	Z = -192813	14	RAD. = 1736498.1	27.4
212	X = -1493068	23	LAT. = - 6 36 51.9	1.6
	Y = 863466	20	LONG. = 149 57 30.6	2.7
	Z = -200002	14	RAD. = 1736325.7	21.3



TERRAIN POINTS ON MAP SHEET 84C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T2055	X = -1330719 Y = 1079763 Z = -307568	25 20 15	LAT. = -10 10 30.0 LONG. = 140 56 37.2 RAD. = 1741062.3	2.0 2.6 23.2
V1278	X = -1321429 Y = 1078459 Z = -340135	21 19 15	LAT. = -11 16 40.0 LONG. = 140 46 51.7 RAD. = 1739235.4	1.6 2.4 21.1
1410	X = -1323211 Y = 1072701 Z = -360027	21 19 14	LAT. = -11 56 3.4 LONG. = 140 58 8.4 RAD. = 1741032.4	1.6 2.5 19.2
V1280	X = -1308786 Y = 1086536 Z = -377090	21 19 13	LAT. = -12 29 57.9 LONG. = 140 18 3.6 RAD. = 1742319.2	1.5 2.4 20.9
U1655	X = -1292443 Y = 1079497 Z = -435295	25 21 15	LAT. = -14 29 36.3 LONG. = 140 7 48.4 RAD. = 1739311.6	2.0 2.6 23.7
T2051	X = -1354868 Y = 1068336 Z = -244657	23 21 14	LAT. = - 8 4 14.0 LONG. = 141 44 37.0 RAD. = 1742660.7	1.6 2.5 22.9
T2053	X = -1343072 Y = 1072045 Z = -283712	20 18 13	LAT. = - 9 22 29.1 LONG. = 141 24 10.7 RAD. = 1741727.7	1.5 2.4 19.1
V1245	X = -1342916 Y = 1049360 Z = -355751	21 19 15	LAT. = -11 47 26.1 LONG. = 141 59 44.8 RAD. = 1741016.8	1.6 2.5 21.3
1712	X = -1321622 Y = 1046467 Z = -431477	21 19 14	LAT. = -14 21 24.8 LONG. = 141 37 39.5 RAD. = 1740100.8	1.6 2.6 18.9
V1250	X = -1316937 Y = 1047054 Z = -439147	23 21 14	LAT. = -14 37 43.4 LONG. = 141 30 46.6 RAD. = 1738819.6	1.6 2.6 23.6
U1499	X = -1332669 Y = 1023801 Z = -456658	26 21 16	LAT. = -15 12 7.8 LONG. = 142 28 2.4 RAD. = 1741467.9	2.1 2.6 24.0
T1899	X = -1373204 Y = 1015218 Z = -336079	26 21 16	LAT. = -11 8 .3 LONG. = 143 31 27.3 RAD. = 1740489.8	2.0 2.6 23.9

TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1223	X = -1365326 Y = 1016078 Z = -366720	22 20 15	LAT. = -12 9 35.5 LONG. = 143 20 35.9 RAD. = 1740980.4	1.6 2.5 21.7
1408	X = -1364559 Y = 1011658 Z = -380623	21 19 14	LAT. = -12 37 47.0 LONG. = 143 26 50.9 RAD. = 1740789.6	1.6 2.6 19.3
V1225	X = -1354956 Y = 1017980 Z = -395650	22 20 14	LAT. = -13 8 26.5 LONG. = 143 4 56.7 RAD. = 1740323.8	1.5 2.5 21.7
362	X = -1400693 Y = 997704 Z = -260743	23 20 15	LAT. = - 8 37 17.8 LONG. = 144 32 16.8 RAD. = 1739350.8	1.8 2.7 19.8
T1895	X = -1390097 Y = 1008957 Z = -279363	25 21 14	LAT. = - 9 14 16.0 LONG. = 144 1 37.9 RAD. = 1740232.5	1.6 2.6 23.9
T189G	X = -1388685 Y = 1008921 Z = -306238	22 21 19	LAT. = -10 6 56.3 LONG. = 144 0 1.8 RAD. = 1743602.6	2.0 2.6 23.8
V1201	X = -1393096 Y = 979055 Z = -367780	22 20 16	LAT. = -12 11 18.2 LONG. = 144 54 2.9 RAD. = 1741989.0	1.6 2.5 22.0
V1205	X = -1369369 Y = 985464 Z = -431532	22 20 13	LAT. = -14 20 51.6 LONG. = 144 15 33.8 RAD. = 1741416.7	1.5 2.5 21.8
1710	X = -1364180 Y = 985863 Z = -449069	21 19 14	LAT. = -14 56 20.1 LONG. = 144 8 42.7 RAD. = 1742003.2	1.6 2.6 19.3
V1207	X = -1361767 Y = 983855 Z = -459891	23 20 13	LAT. = -15 18 33.9 LONG. = 144 9 9.0 RAD. = 1741804.0	1.6 2.6 21.8
1406	X = -1404527 Y = 949003 Z = -400827	22 19 14	LAT. = -13 18 14.6 LONG. = 145 57 14.9 RAD. = 1741828.3	1.6 2.6 19.7
V1080	X = -1397743 Y = 956972 Z = -404154	22 20 14	LAT. = -13 25 8.8 LONG. = 145 36 8.3 RAD. = 1741499.7	1.5 2.6 22.1

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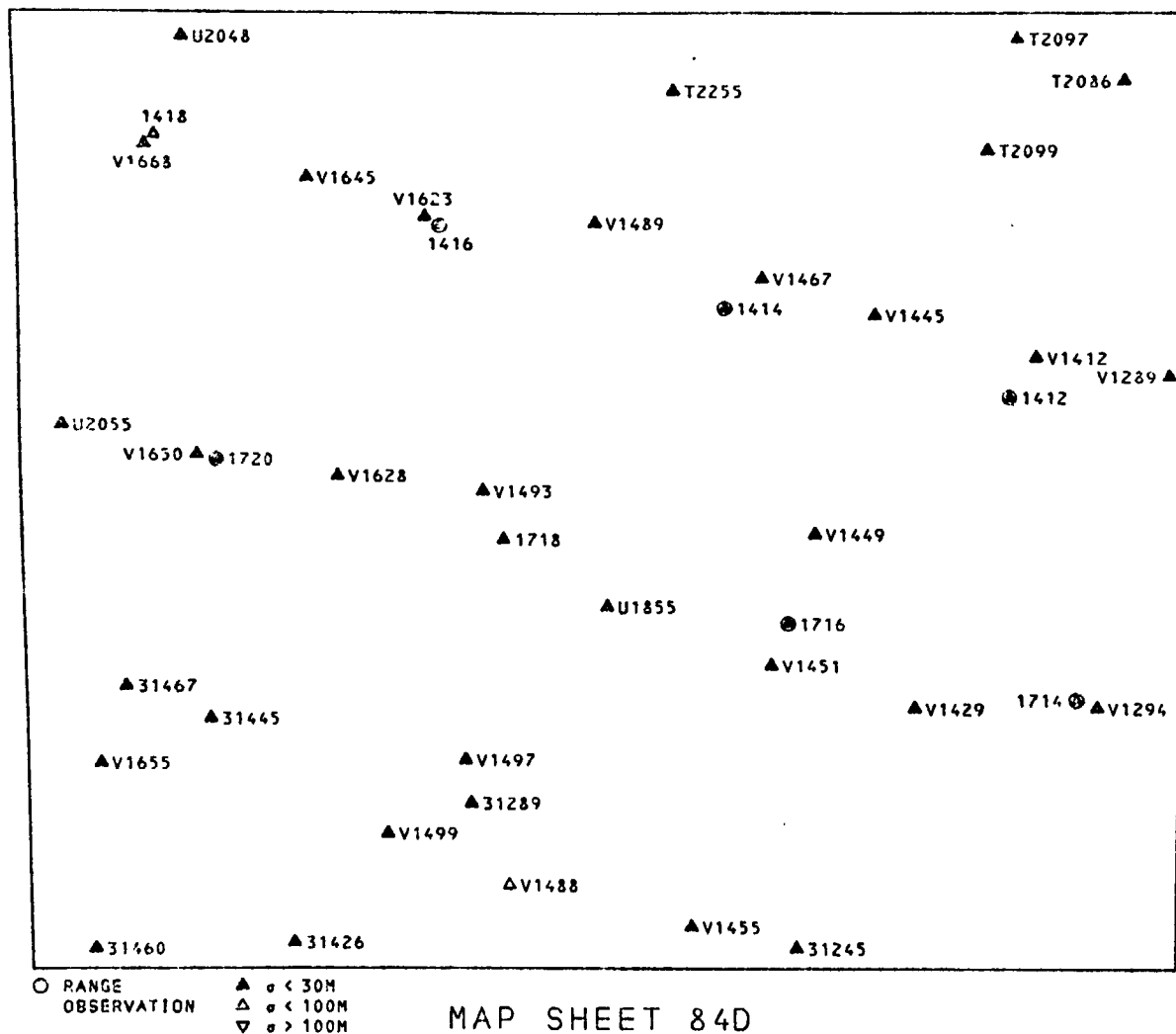
TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1073	X = -1376630 Y = 956772 Z = -470485	23 20 14	LAT. = -15 40 34.8 LONG. = 145 12 1.0 RAD. = 1741228.8	1.6 2.6 22.3
T1851	X = -1435022 Y = 940162 Z = -300367	25 21 14	LAT. = - 9 55 51.0 LONG. = 146 46 8.3 RAD. = 1741669.8	1.6 2.6 23.7
T1853	X = -1427344 Y = 943611 Z = -329663	21 19 13	LAT. = -10 54 19.3 LONG. = 146 31 53.4 RAD. = 1742524.1	1.5 2.5 20.2
T1855	X = -1416113 Y = 947554 Z = -358984	22 19 13	LAT. = -11 53 50.5 LONG. = 146 12 45.4 RAD. = 1741293.6	1.5 2.5 20.3
V1067	X = -1412510 Y = 945742 Z = -378803	22 20 15	LAT. = -12 33 45.2 LONG. = 146 11 45.0 RAD. = 1741581.0	1.6 2.6 22.1
V1050	X = -1403788 Y = 924290 Z = -457973	23 20 14	LAT. = -15 14 31.1 LONG. = 146 38 17.1 RAD. = 1742030.4	1.5 2.6 22.4
1708	X = -1403344 Y = 922520 Z = -465317	24 22 15	LAT. = -15 29 11.6 LONG. = 146 40 48.6 RAD. = 1742681.1	1.6 2.7 24.3
T1849	X = -1444187 Y = 913761 Z = -270272	24 21 15	LAT. = - 8 55 52.9 LONG. = 147 6 52.9 RAD. = 1740871.1	1.6 2.6 23.8
360	X = -1443982 Y = 930759 Z = -286002	24 21 14	LAT. = - 9 27 6.4 LONG. = 147 11 42.2 RAD. = 1741607.1	1.6 2.6 23.7
V1046	X = -1423599 Y = 921233 Z = -398485	22 20 15	LAT. = -13 13 28.6 LONG. = 147 5 32.9 RAD. = 1741865.0	1.6 2.6 22.6
V1017	X = -1420763 Y = 889809 Z = -475022	23 21 14	LAT. = -15 49 13.8 LONG. = 147 56 29.5 RAD. = 1742404.5	1.6 2.7 22.5
T1825	X = -1468718 Y = 900770 Z = -242931	23 20 13	LAT. = - 8 1 32.4 LONG. = 148 28 44.6 RAD. = 1739980.9	1.5 2.6 21.7

TERRAIN POINTS ON MAP SHEET 84C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1699	X = -1454944 Y = 877928 Z = -384403	22 20 13	LAT. = -12 44 47.4 LONG. = 148 53 34.1 RAD. = 1742236.2	1.5 2.6 20.7
V1023	X = -1442877 Y = 889763 Z = -397690	23 21 15	LAT. = -13 12 10.8 LONG. = 148 20 22.4 RAD. = 1741185.9	1.6 2.6 22.6
1404	X = -1440393 Y = 883447 Z = -419815	22 20 14	LAT. = -13 57 9.5 LONG. = 148 28 39.5 RAD. = 1741107.5	1.6 2.7 20.1
V1014	X = -1433498 Y = 889796 Z = -428984	23 21 14	LAT. = -14 15 56.2 LONG. = 148 10 17.2 RAD. = 1740885.3	1.5 2.6 22.6
358	X = -1479303 Y = 860711 Z = -311651	23 21 15	LAT. = -10 19 12.6 LONG. = 149 48 27.5 RAD. = 1739622.6	1.8 2.9 20.6
T1695	X = -1472510 Y = 869355 Z = -317207	25 21 14	LAT. = -10 30 32.5 LONG. = 149 26 34.2 RAD. = 1739162.1	1.6 2.7 24.3
T1697	X = -1465246 Y = 871445 Z = -353587	22 20 13	LAT. = -11 43 2.4 LONG. = 149 15 29.6 RAD. = 1741088.1	1.5 2.6 20.8
V1002	X = -1462345 Y = 853558 Z = -411946	23 21 16	LAT. = -13 40 25.9 LONG. = 149 43 41.7 RAD. = 1742617.3	1.6 2.7 22.9
V1006	X = -1439922 Y = 854835 Z = -478928	24 21 14	LAT. = -15 57 38.7 LONG. = 149 18 13.6 RAD. = 1741691.8	1.6 2.7 22.8

REPRODUCIBILITY OF THE
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TERRAIN POINTS ON MAP SHEET 84D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
U2055	X = -1104924 Y = 1300239 Z = -345423	23 21 15	LAT. = -11 26 39.3 LONG. = 130 21 26.6 RAD. = 1740917.7	2.0 2.4 23.1
31467	X = -1106003 Y = 1278471 Z = -409995	18 17 13	LAT. = -13 37 58.1 LONG. = 130 51 46.8 RAD. = 1739490.2	1.4 2.2 17.4
V1655	X = -1098088 Y = 1279847 Z = -429174	23 20 15	LAT. = -14 16 42.7 LONG. = 130 37 44.6 RAD. = 1740113.6	2.0 2.4 22.5
31460	X = -1088100 Y = 1271793 Z = -474604	19 19 16	LAT. = -15 49 52.1 LONG. = 130 32 56.8 RAD. = 1739732.2	1.6 2.3 20.4
U2048	X = -1140145 Y = 1291736 Z = -248233	21 21 14	LAT. = - 8 11 54.6 LONG. = 131 25 59.1 RAD. = 1740727.2	1.6 2.3 22.9
1418	X = -1132248 Y = 1294123 Z = -272800	21 21 13	LAT. = - 9 0 53.3 LONG. = 131 10 59.4 RAD. = 1741022.4	1.5 2.3 22.8
V1668	X = -1130072 Y = 1295593 Z = -275197	19 19 13	LAT. = - 9 5 39.8 LONG. = 131 5 46.8 RAD. = 1741079.7	1.4 2.2 19.6
V1650	X = -1129262 Y = 1276234 Z = -352660	21 20 14	LAT. = -11 41 31.5 LONG. = 131 30 13.2 RAD. = 1740222.4	1.5 2.4 22.3
1720	X = -1132717 Y = 1272668 Z = -353810	19 18 13	LAT. = -11 43 54.0 LONG. = 131 40 12.5 RAD. = 1740089.9	1.5 2.4 17.5
31445	X = -1119626 Y = 1261485 Z = -417562	19 22 22	LAT. = -13 54 17.2 LONG. = 131 35 25.9 RAD. = 1737603.0	2.3 2.5 23.6
V1645	X = -1157683 Y = 1264270 Z = -282885	19 19 14	LAT. = - 9 22 14.0 LONG. = 132 28 48.5 RAD. = 1737421.4	1.5 2.3 20.1
V1628	X = -1155389 Y = 1251108 Z = -357969	21 19 12	LAT. = -11 52 14.7 LONG. = 132 43 20.0 RAD. = 1740212.0	1.5 2.3 20.2

TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31426	X = -1127457 Y = 1239445 Z = -473640	20 20 21	LAT. = -15 47 4.7 LONG. = 132 17 28.1 RAD. = 1741183.1	2.0 2.4 24.6
V1623	X = -1181245 Y = 1245297 Z = -293430	20 19 13	LAT. = - 9 42 4.2 LONG. = 133 29 16.6 RAD. = 1741323.1	1.5 2.3 19.9
1416	X = -1183689 Y = 1242355 Z = -295668	20 18 13	LAT. = - 9 46 34.5 LONG. = 133 36 53.1 RAD. = 1741259.2	1.5 2.4 18.0
V1493	X = -1181498 Y = 1224518 Z = -361789	21 19 12	LAT. = -12 0 12.4 LONG. = 133 58 32.3 RAD. = 1739619.0	1.4 2.3 20.4
V1497	X = -1167767 Y = 1217286 Z = -428563	23 21 14	LAT. = -14 15 18.1 LONG. = 133 48 38.1 RAD. = 1740440.3	1.8 2.4 23.2
31289	X = -1166247 Y = 1213765 Z = -439010	20 21 23	LAT. = -14 37 3.5 LONG. = 133 51 22.4 RAD. = 1739565.0	2.3 2.5 23.9
V1499	X = -1150100 Y = 1227935 Z = -446701	24 21 15	LAT. = -14 52 10.3 LONG. = 133 7 31.2 RAD. = 1740716.8	2.0 2.5 23.3
V1489	X = -1210374 Y = 1212398 Z = -294820	21 22 20	LAT. = - 9 45 52.1 LONG. = 134 57 7.7 RAD. = 1738341.9	2.1 2.5 23.6
1718	X = -1183013 Y = 1218572 Z = -373688	22 21 14	LAT. = -12 24 32.3 LONG. = 134 9 6.2 RAD. = 1738988.5	1.6 2.4 23.3
V1488	X = -1169159 Y = 1202926 Z = -459057	36 26 19	LAT. = -15 18 17.0 LONG. = 134 11 4.1 RAD. = 1739165.8	3.0 2.8 34.9
T2255	X = -1230352 Y = 1203661 Z = -261982	20 18 13	LAT. = - 8 39 16.0 LONG. = 135 37 41.8 RAD. = 1741034.7	1.5 2.3 19.1
U1855	X = -1200162 Y = 1198033 Z = -390669	25 20 15	LAT. = -12 58 23.9 LONG. = 135 3 3.1 RAD. = 1740199.2	2.0 2.5 23.4

TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

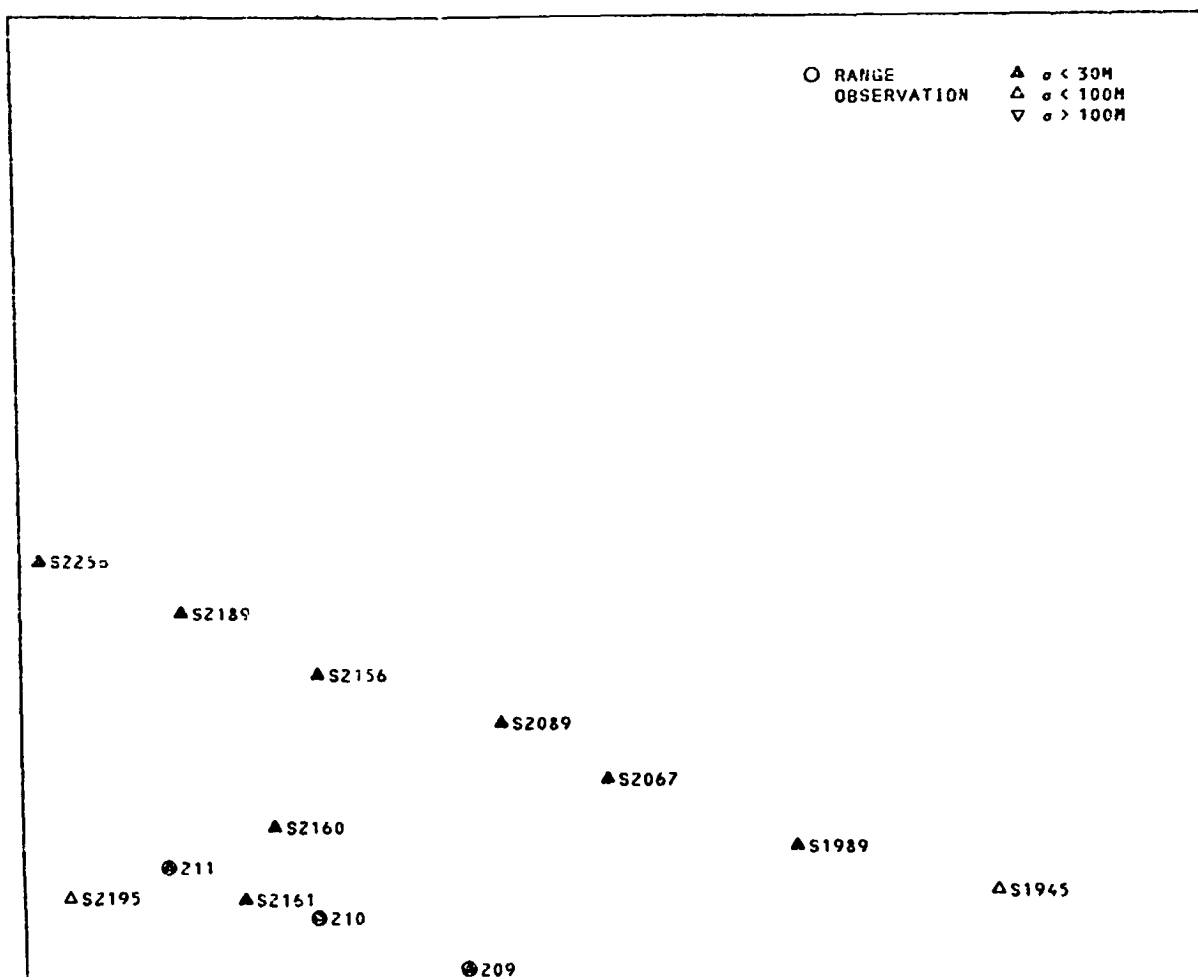
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1455	X = -1201142 Y = 1168923 Z = -469585	24 20 15	LAT. = -15 39 5.5 LONG. = 135 46 43.8 RAD. = 1740584.1	2.0 2.5 22.9
V1467	X = -1240867 Y = 1182117 Z = -309165	21 20 16	LAT. = -10 13 33.4 LONG. = 136 23 20.3 RAD. = 1741474.7	1.7 2.4 22.4
1414	X = -1233204 Y = 1187982 Z = -316529	20 18 13	LAT. = -10 28 22.9 LONG. = 136 4 12.1 RAD. = 1741344.9	1.5 2.4 18.0
V1449	X = -1239069 Y = 1161558 Z = -372419	21 19 13	LAT. = -12 22 4.8 LONG. = 136 50 57.5 RAD. = 1738736.8	1.4 2.4 20.6
1716	X = -1231963 Y = 1164248 Z = -394965	20 18 14	LAT. = -13 6 59.3 LONG. = 136 37 7.3 RAD. = 1740460.2	1.6 2.5 17.9
V1451	X = -1226187 Y = 1164616 Z = -405001	21 19 13	LAT. = -13 28 4.7 LONG. = 136 28 30.9 RAD. = 1738933.8	1.5 2.4 20.6
31245	X = -1216288 Y = 1146277 Z = -473937	19 18 13	LAT. = -15 49 54.5 LONG. = 136 41 50.5 RAD. = 1737216.9	1.5 2.4 17.9
V1445	X = -1259001 Y = 1159488 Z = -318237	20 19 14	LAT. = -10 31 58.2 LONG. = 137 21 22.5 RAD. = 1740910.5	1.6 2.4 20.6
V1429	X = -1251391 Y = 1137935 Z = -416281	24 20 13	LAT. = -13 49 35.4 LONG. = 137 43 7.0 RAD. = 1741885.1	1.6 2.5 23.0
T2097	X = -1291368 Y = 1140595 Z = -248751	20 19 13	LAT. = - 8 12 48.6 LONG. = 138 33 31.0 RAD. = 1741194.2	1.5 2.4 19.3
T2099	X = -1283936 Y = 1143508 Z = -277035	20 19 13	LAT. = - 9 9 12.1 LONG. = 138 18 39.1 RAD. = 1741507.8	1.5 2.4 19.4
V1412	X = -1285847 Y = 1127959 Z = -328919	20 19 14	LAT. = -10 53 6.0 LONG. = 138 44 32.7 RAD. = 1741804.2	1.5 2.4 20.5

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TERRAIN POINTS ON MAP SHEET 84D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1412	X = -1280015 Y = 1131950 Z = -338831	20 18 14	LAT. = -11 12 57.4 LONG. = 138 30 46.3 RAD. = 1741997.5	1.6 2.5 18.5
T2086	X = -1308646 Y = 1119230 Z = -259428	20 19 13	LAT. = - 8 34 3.2 LONG. = 139 27 39.7 RAD. = 1741416.7	1.5 2.4 19.4
V1289	X = -1306808 Y = 1101460 Z = -333446	20 19 15	LAT. = -11 2 23.4 LONG. = 139 52 25.3 RAD. = 1741306.5	1.6 2.4 20.8
1714	X = -1276454 Y = 1105149 Z = -413211	21 19 15	LAT. = -13 45 7.2 LONG. = 139 6 50.8 RAD. = 1738227.1	1.7 2.7 18.5
V1200	X = -1279315 Y = 1100847 Z = -415073	22 21 14	LAT. = -13 49 .1 LONG. = 139 17 17.2 RAD. = 1738043.9	1.6 2.5 25.5

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MAP SHEET 85A

TERRAIN POINTS ON MAP SHEET 85A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S2256	X = -1501510 Y = 861348 Z = -136057	26 23 21	LAT. = - 4 29 38.9 LONG. = 150 9 32.7 RAD. = 1736365.3	2.3 2.7 27.5
S2195	X = -1498660 Y = 851910 Z = -220513	45 21 15	LAT. = - 7 17 22.3 LONG. = 150 23 2.5 RAD. = 1737917.6	1.7 3.4 40.8
S2189	X = -1518504 Y = 829348 Z = -149395	27 23 20	LAT. = - 4 56 5.7 LONG. = 151 21 30.0 RAD. = 1736661.2	2.3 2.7 7.6
211	X = -1512255 Y = 830582 Z = -213200	23 21 14	LAT. = - 7 2 39.7 LONG. = 151 13 22.5 RAD. = 1738457.7	1.6 2.7 21.6
S2161	X = -1522257 Y = 813823 Z = -221539	28 22 14	LAT. = - 7 18 48.2 LONG. = 151 52 5.8 RAD. = 1740335.8	1.6 2.8 27.6
S2156	X = -1536469 Y = 799513 Z = -165335	27 23 20	LAT. = - 5 27 9.9 LONG. = 152 30 34.1 RAD. = 1739912.1	2.2 2.7 27.7
S2160	X = -1527638 Y = 807914 Z = -203467	28 22 16	LAT. = - 6 42 54.1 LONG. = 152 7 38.0 RAD. = 1740057.5	1.7 2.7 27.7
210	X = -1530728 Y = 797158 Z = -226259	24 21 14	LAT. = - 7 28 7.8 LONG. = 152 29 27.0 RAD. = 1740626.5	1.6 2.7 21.8
209	X = -1546389 Y = 762226 Z = -238950	24 21 14	LAT. = - 7 53 27.1 LONG. = 153 45 39.6 RAD. = 1740518.5	1.6 2.8 22.4
S2089	X = -1557075 Y = 757356 Z = -177653	26 23 20	LAT. = - 5 51 29.2 LONG. = 154 3 42.8 RAD. = 1740583.2	2.2 2.8 27.1
S2067	X = -1566753 Y = 732009 Z = -191664	27 23 20	LAT. = - 6 19 27.8 LONG. = 154 57 26.5 RAD. = 1739909.9	2.2 2.8 27.8
S1989	X = -1585980 Y = 687854 Z = -208613	27 23 19	LAT. = - 6 52 51.2 LONG. = 156 33 11.5 RAD. = 1741262.8	2.1 2.9 27.7

TERRAIN POINTS ON MAP SHEET 85A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1945	X = -1601505	28	LAT. = - 7 14 30.5	2.2
	Y = 639710	25	LONG. = 158 13 34.0	3.0
	Z = -219139	21	RAD. = 1738410.2	29.3

TERRAIN POINTS ON MAP SHEET 85C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
204	X = -1609118 Y = 580683 Z = -299821	26 23 15	LAT. = - 9 56 27.3 LONG. = 160 9 25.1 RAD. = 1736762.9	1.7 3.0 24.4
T1412	X = -1606156 Y = 581145 Z = -316101	25 23 15	LAT. = -10 29 5.2 LONG. = 160 6 31.3 RAD. = 1737062.0	1.6 2.9 24.6
T1291	X = -1608824 Y = 557128 Z = -351839	25 23 14	LAT. = -11 40 33.6 LONG. = 160 53 57.4 RAD. = 1738533.2	1.6 3.0 24.1
S1788	X = -1606988 Y = 562716 Z = -369053	31 24 17	LAT. = -12 13 47.0 LONG. = 160 42 5.0 RAD. = 1742200.3	2.1 3.0 28.6
T1293	X = -1601318 Y = 564461 Z = -383831	26 24 16	LAT. = -12 44 18.2 LONG. = 160 34 57.2 RAD. = 1740735.8	1.7 3.0 26.0
350	X = -1597038 Y = 563837 Z = -401156	24 23 15	LAT. = -13 19 31.7 LONG. = 160 33 15.6 RAD. = 1740508.2	1.7 3.0 22.9
S1778	X = -1631913 Y = 536625 Z = -252950	29 25 21	LAT. = - 8 22 34.9 LONG. = 161 47 51.0 RAD. = 1736401.3	2.3 3.0 29.9
203	X = -1619961 Y = 543766 Z = -311639	26 23 15	LAT. = -10 20 8.5 LONG. = 161 26 41.4 RAD. = 1736972.8	1.7 3.0 24.7
T1289	X = -1615345 Y = 550472 Z = -323225	25 23 15	LAT. = -10 43 29.5 LONG. = 161 10 55.5 RAD. = 1736903.4	1.6 3.0 24.0
S1755	X = -1618335 Y = 527909 Z = -378995	31 24 16	LAT. = -12 33 6.2 LONG. = 161 56 .2 RAD. = 1743941.8	2.1 3.1 29.0
T1284	X = -1604677 Y = 529877 Z = -426699	25 24 15	LAT. = -14 10 15.4 LONG. = 161 43 35.0 RAD. = 1742937.0	1.7 3.0 24.4
202	X = -1630903 Y = 506931 Z = -323475	26 24 15	LAT. = -10 43 29.7 LONG. = 162 43 59.7 RAD. = 1738234.3	1.7 3.1 24.5

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

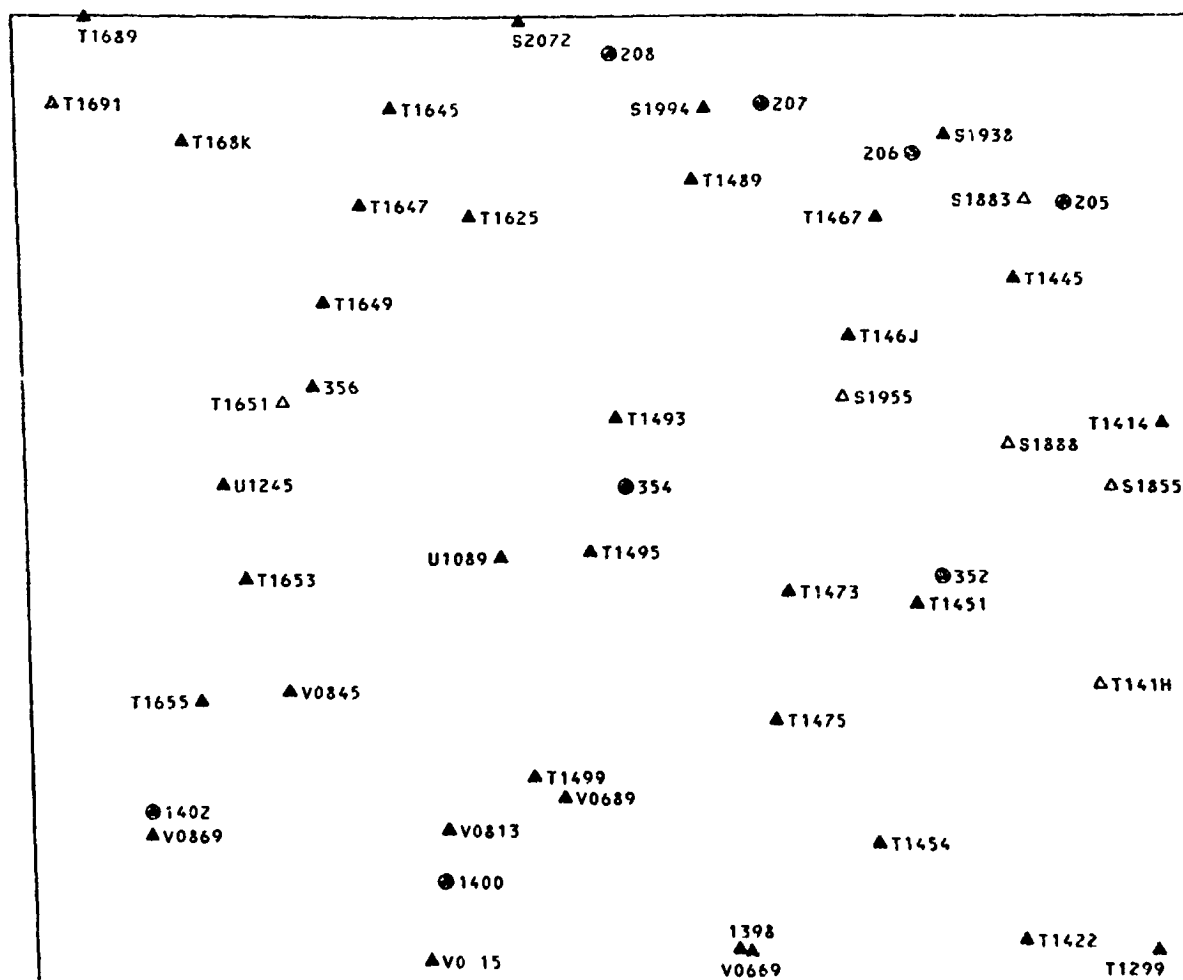
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1683	X = -1640750 Y = 477498 Z = -333623	30 25 16	LAT. = -11 2 50.0 LONG. = 163 46 25.4 RAD. = 1741082.3	1.7 3.1 29.5
T1245	X = -1638845 Y = 477241 Z = -351969	25 24 15	LAT. = -11 39 4.3 LONG. = 163 45 50.9 RAD. = 1742829.3	1.6 3.0 24.9
T1248	X = -1627499 Y = 477508 Z = -383891	25 24 14	LAT. = -12 45 11.8 LONG. = 163 38 54.0 RAD. = 1739004.8	1.6 3.0 24.4
T1249	X = -1617266 Y = 486779 Z = -407658	27 25 16	LAT. = -13 34 11.7 LONG. = 163 14 55.7 RAD. = 1737437.1	1.8 3.1 26.9
348	X = -1615755 Y = 485793 Z = -421969	25 24 15	LAT. = -14 2 29.8 LONG. = 163 15 57.9 RAD. = 1739171.3	1.7 3.1 23.6
T1251	X = -1609483 Y = 483256 Z = -439831	26 25 16	LAT. = -14 39 18.1 LONG. = 163 7 27.2 RAD. = 1738470.4	1.7 3.1 25.8
S1678	X = -1657535 Y = 451462 Z = -278625	38 27 34	LAT. = - 9 12 44.8 LONG. = 164 45 50.3 RAD. = 1740365.8	3.5 3.2 41.5
201	X = -1643733 Y = 470567 Z = -335669	27 25 16	LAT. = -11 6 26.3 LONG. = 164 1 28.8 RAD. = 1742402.2	1.8 3.2 26.1
S1661	X = -1646747 Y = 442881 Z = -341139	31 25 16	LAT. = -11 18 45.8 LONG. = 164 56 48.8 RAD. = 1739049.6	1.8 3.2 30.8
S1666	X = -1628251 Y = 460172 Z = -403979	34 25 17	LAT. = -13 25 41.3 LONG. = 164 13 8.0 RAD. = 1739595.4	2.3 3.2 30.9
T1229	X = -1615514 Y = 459939 Z = -445638	26 24 16	LAT. = -14 51 31.1 LONG. = 164 6 29.8 RAD. = 1737821.0	1.7 3.1 25.4
200	X = -1646901 Y = 431392 Z = -345890	26 25 15	LAT. = -11 29 4.1 LONG. = 165 19 17.8 RAD. = 1737245.9	1.8 3.2 25.5

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1092	X = -1634745 Y = 408305 Z = -426109	27 26 16	LAT. = -14 11 31.0 LONG. = 165 58 34.8 RAD. = 1738008.3	1.8 3.2 27.5
346	X = -1629982 Y = 406600 Z = -441697	25 25 16	LAT. = -14 43 52.0 LONG. = 165 59 36.1 RAD. = 1737026.5	1.8 3.2 24.4
T1095	X = -1624843 Y = 412689 Z = -455639	26 25 15	LAT. = -15 12 18.6 LONG. = 165 44 56.3 RAD. = 1737248.4	1.7 3.2 25.6
S1582	X = -1657211 Y = 390085 Z = -343060	31 26 17	LAT. = -11 23 33.8 LONG. = 166 45 16.1 RAD. = 1736722.4	1.8 3.2 31.6
199	X = -1652949 Y = 393100 Z = -356645	27 26 16	LAT. = -11 51 17.2 LONG. = 166 37 21.2 RAD. = 1736077.7	1.9 3.3 26.5
T1089	X = -1651084 Y = 394122 Z = -366361	26 25 15	LAT. = -12 10 45.1 LONG. = 166 34 28.0 RAD. = 1736556.8	1.7 3.1 25.5
S1588	X = -1638800 Y = 406057 Z = -415423	33 25 17	LAT. = -13 49 23.3 LONG. = 166 5 1.3 RAD. = 1738713.4	2.3 3.2 31.2
T1093	X = -1634571 Y = 407220 Z = -426824	27 26 16	LAT. = -14 13 5.8 LONG. = 166 0 38.5 RAD. = 1737765.6	1.8 3.2 27.5
T1084	X = -1628655 Y = 383222 Z = -461423	27 26 16	LAT. = -15 25 4.8 LONG. = 166 45 33.1 RAD. = 1735593.9	1.8 3.2 27.1
S1578	X = -1668125 Y = 378121 Z = -299947	30 27 23	LAT. = - 9 56 47.0 LONG. = 167 13 42.1 RAD. = 1736543.9	2.4 3.3 31.8
S1549	X = -1662719 Y = 355998 Z = -352675	31 26 17	LAT. = -11 43 2.6 LONG. = 167 54 54.3 RAD. = 1736591.3	1.8 3.3 31.5
198	X = -1660131 Y = 355063 Z = -367645	27 26 16	LAT. = -12 13 9.0 LONG. = 167 55 39.6 RAD. = 1737028.1	1.8 3.3 26.0

TERRAIN POINTS ON MAP SHEET 85C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1078	X = -1656839 Y = 364730 Z = -370699	27 26 16	LAT. = -12 19 32.9 LONG. = 167 35 6.6 RAD. = 1736537.1	1.8 3.2 26.8
S1555	X = -1644325 Y = 367681 Z = -423167	33 26 17	LAT. = -14 5 53.2 LONG. = 167 23 44.4 RAD. = 1737257.2	2.2 3.3 31.3
T1049	X = -1647515 Y = 331171 Z = -442592	27 26 15	LAT. = -14 45 18.5 LONG. = 168 38 3.4 RAD. = 1737777.1	1.7 3.3 26.2
344	X = -1643293 Y = 326885 Z = -459991	28 27 16	LAT. = -15 21 6.5 LONG. = 168 44 58.4 RAD. = 1737485.8	1.8 3.4 28.4
T1051	X = -1634573 Y = 339950 Z = -477110	29 26 16	LAT. = -15 56 54.4 LONG. = 168 15 5.0 RAD. = 1736383.7	1.8 3.4 28.5
T1052	X = -1635040 Y = 336620 Z = -477644	27 27 16	LAT. = -15 58 2.5 LONG. = 168 21 59.6 RAD. = 1736321.2	1.8 3.4 28.5
S1478	X = -1683229 Y = 309178 Z = -318567	30 27 23	LAT. = -10 32 40.8 LONG. = 169 35 30.7 RAD. = 1740785.7	2.4 3.3 31.3
197	X = -1667920 Y = 317124 Z = -378770	27 26 16	LAT. = -12 34 35.2 LONG. = 169 14 5.2 RAD. = 1739537.4	1.8 3.3 26.4
T104E	X = -1665350 Y = 319173 Z = -386339	32 27 16	LAT. = -12 50 6.6 LONG. = 169 9 2.0 RAD. = 1739114.9	1.8 3.3 31.5
T1045	X = -1665368 Y = 319188 Z = -386401	27 27 20	LAT. = -12 50 13.2 LONG. = 169 9 .6 RAD. = 1739147.9	2.1 3.3 28.4
T1027	X = -1654650 Y = 297624 Z = -451580	28 27 15	LAT. = -15 2 6.2 LONG. = 169 48 11.4 RAD. = 1740796.3	1.8 3.3 27.3
T1029	X = -1644488 Y = 305022 Z = -479457	28 27 17	LAT. = -15 59 44.5 LONG. = 169 29 31.5 RAD. = 1739901.8	1.8 3.4 28.2



○ RANGE
OBSERVATION

▲ < 30M
△ < 100M
▽ > 100M

MAP SHEET 85D

TERRAIN POINTS ON MAP SHEET 85D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1689	X = -1502730 Y = 846580 Z = -242832	23 20 13	LAT. = - 8 0 50.3 LONG. = 150 36 17.1 RAD. = 1741798.6	1.5 2.6 21.3
T1691	X = -1493085 Y = 850994 Z = -263651	23 20 13	LAT. = - 8 43 18.9 LONG. = 150 19 7.4 RAD. = 1738679.6	1.5 2.6 21.3
T168K	X = -1509463 Y = 822979 Z = -273252	30 21 15	LAT. = - 9 1 51.4 LONG. = 151 24 .7 RAD. = 1740815.5	2.0 2.8 27.7
U1245	X = -1497670 Y = 806564 Z = -357737	24 23 20	LAT. = -11 52 35.3 LONG. = 151 41 43.8 RAD. = 1738256.4	2.1 2.8 25.4
T1653	X = -1493904 Y = 798714 Z = -380497	23 21 14	LAT. = -12 39 33.3 LONG. = 151 52 7.9 RAD. = 1736223.0	1.5 2.7 21.5
T1655	X = -1482188 Y = 805613 Z = -410240	22 20 13	LAT. = -13 40 4.5 LONG. = 151 28 28.6 RAD. = 1736142.9	1.5 2.7 21.0
1402	X = -1473681 Y = 816101 Z = -438174	22 21 15	LAT. = -14 34 48.7 LONG. = 151 1 22.9 RAD. = 1740618.7	1.7 2.8 20.7
V0869	X = -1472715 Y = 815683 Z = -444176	23 21 14	LAT. = -14 46 48.0 LONG. = 151 1 10.4 RAD. = 1741126.1	1.6 2.7 23.1
T1647	X = -1528517 Y = 782342 Z = -289377	23 21 13	LAT. = - 9 33 57.6 LONG. = 152 53 42.8 RAD. = 1741310.8	1.5 2.7 21.8
T1649	X = -1520195 Y = 788892 Z = -313429	25 22 15	LAT. = -10 22 14.0 LONG. = 152 34 24.0 RAD. = 1741143.6	1.7 2.8 24.6
356	X = -1515022 Y = 789596 Z = -334050	25 22 15	LAT. = -11 3 48.4 LONG. = 152 28 20.8 RAD. = 1740788.1	1.6 2.8 24.6
T1651	X = -1510243 Y = 795757 Z = -337942	30 29 15	LAT. = -11 11 52.4 LONG. = 152 12 53.8 RAD. = 1740192.0	1.8 3.0 33.7

TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V0845	X = -1493094 Y = 786067 Z = -408000	23 21 14	LAT. = -13 35 34.7 LONG. = 152 14 4.6 RAD. = 1736000.0	1.5 2.7 21.5
T1645	X = -1536200 Y = 777240 Z = -265357	23 21 14	LAT. = - 8 45 43.6 LONG. = 153 9 46.3 RAD. = 1741960.2	1.5 2.7 22.4
T1625	X = -1538485 Y = 755820 Z = -291811	24 21 14	LAT. = - 9 39 41.0 LONG. = 153 50 10.4 RAD. = 1738779.4	1.6 2.8 22.9
V0313	X = -1505520 Y = 747547 Z = -442201	24 22 15	LAT. = -14 44 20.7 LONG. = 153 35 38.0 RAD. = 1738090.5	1.6 2.8 24.0
1400	X = -1502260 Y = 747261 Z = -454637	23 21 15	LAT. = -15 9 39.8 LONG. = 153 33 11.3 RAD. = 1738355.4	1.7 2.9 21.2
V0815	X = -1496470 Y = 748695 Z = -474061	24 22 14	LAT. = -15 49 4.2 LONG. = 153 25 15.1 RAD. = 1739166.1	1.6 2.8 23.9
S2072	X = -1550511 Y = 747198 Z = -243139	29 22 15	LAT. = - 8 2 26.4 LONG. = 154 16 13.4 RAD. = 1738248.2	1.6 2.8 28.1
T1495	X = -1536359 Y = 721728 Z = -374297	24 22 14	LAT. = -12 26 6.5 LONG. = 154 50 15.0 RAD. = 1738214.4	1.6 2.8 22.7
U1089	X = -1527152 Y = 742553 Z = -376029	25 23 20	LAT. = -12 29 9.8 LONG. = 154 4 9.9 RAD. = 1739246.1	2.1 2.9 25.9
T1499	X = -1522043 Y = 731169 Z = -430352	27 22 16	LAT. = -14 17 53.6 LONG. = 154 20 27.6 RAD. = 1742534.7	2.0 2.9 24.7
V0689	X = -1523146 Y = 723319 Z = -435129	23 21 14	LAT. = -14 28 11.7 LONG. = 154 35 51.7 RAD. = 1741407.8	1.5 2.8 21.9
208	X = -1558501 Y = 725629 Z = -251088	24 22 14	LAT. = - 8 18 34.2 LONG. = 155 2 .9 RAD. = 1737385.3	1.6 2.8 22.6

TERRAIN POINTS ON MAP SHEET 35D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1994	X = -1567011 Y = 703474 Z = -264871	29 23 15	LAT. = - 8 45 58.2 LONG. = 155 49 24.2 RAD. = 1737975.0	1.6 2.9 28.4
T1489	X = -1562987 Y = 704968 Z = -282530	24 22 14	LAT. = - 9 21 25.1 LONG. = 155 43 22.0 RAD. = 1737737.3	1.6 2.8 22.6
T1493	X = -1544325 Y = 717926 Z = -341167	26 23 15	LAT. = -11 19 40.8 LONG. = 155 4 2.0 RAD. = 1736880.1	1.7 2.9 25.4
354	X = -1542777 Y = 714513 Z = -358008	23 22 15	LAT. = -11 53 27.4 LONG. = 155 8 58.3 RAD. = 1737486.1	1.7 2.9 21.5
207	X = -1573994 Y = 690670 Z = -263754	24 22 14	LAT. = - 8 43 25.8 LONG. = 156 18 29.1 RAD. = 1738979.6	1.6 2.9 23.0
S1955	X = -1568966 Y = 666081 Z = -335974	31 23 17	LAT. = -11 9 2.3 LONG. = 156 59 49.5 RAD. = 1737295.4	2.3 2.9 29.4
T1473	X = -1554143 Y = 674640 Z = -383814	24 22 15	LAT. = -12 45 51.3 LONG. = 156 32 5.1 RAD. = 1737184.9	1.6 2.9 23.4
T1475	X = -1548105 Y = 675367 Z = -415707	24 22 15	LAT. = -13 49 57.5 LONG. = 156 25 50.0 RAD. = 1737511.2	1.6 2.9 23.1
1398	X = -1529366 Y = 677568 Z = -470710	26 23 16	LAT. = -15 47 59.9 LONG. = 156 6 17.3 RAD. = 1737707.7	1.7 3.0 26.4
V0669	X = -1530402 Y = 674830 Z = -471274	25 23 15	LAT. = -15 44 9.5 LONG. = 156 12 17.8 RAD. = 1737706.6	1.6 2.9 24.6
S1938	X = -1589112 Y = 646848 Z = -271261	29 24 15	LAT. = - 8 59 3.4 LONG. = 157 51 4.4 RAD. = 1737029.8	1.7 2.9 29.5
206	X = -1586364 Y = 654279 Z = -275905	26 23 15	LAT. = - 9 8 2.8 LONG. = 157 35 12.5 RAD. = 1738032.3	1.8 3.0 23.9

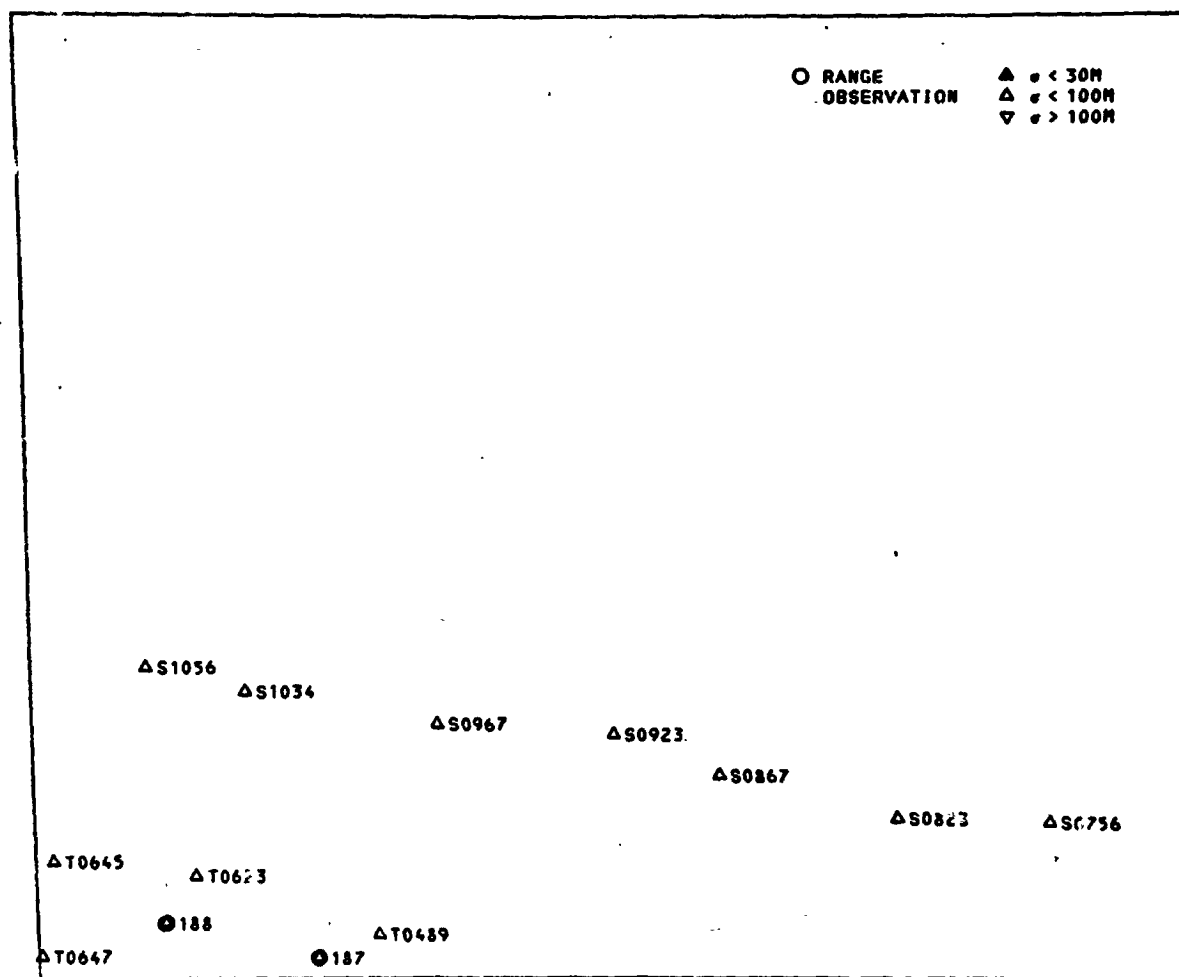
TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T1467	X = -1580933 Y = 661993 Z = -291922	24 22 14	LAT. = - 9 39 57.6 LONG. = 157 16 45.2 RAD. = 1738620.8	1.6 2.8 23.8
T146J	X = -1572543 Y = 666034 Z = -320974	31 23 16	LAT. = -10 38 40.1 LONG. = 157 2 43.6 RAD. = 1737676.1	2.0 2.9 29.3
352	X = -1569173 Y = 638780 Z = -379728	24 23 15	LAT. = -12 37 59.1 LONG. = 157 50 59.0 RAD. = 1736242.5	1.7 3.0 22.1
T1451	X = -1566948 Y = 644721 Z = -386899	26 23 15	LAT. = -12 51 44.7 LONG. = 157 38 7.0 RAD. = 1738011.1	1.7 3.0 25.8
T1454	X = -1552499 Y = 648978 Z = -445974	23 22 14	LAT. = -14 50 39.2 LONG. = 157 18 50.5 RAD. = 1740780.8	1.5 2.9 22.2
S1883	X = -1594451 Y = 626905 Z = -287228	45 24 18	LAT. = - 9 31 1.5 LONG. = 158 32 10.6 RAD. = 1737176.8	1.8 3.3 43.7
205	X = -1599105 Y = 618010 Z = -288119	25 23 15	LAT. = - 9 32 24.1 LONG. = 158 52 11.5 RAD. = 1738414.9	1.7 3.0 23.7
T1445	X = -1592996 Y = 629181 Z = -307254	25 24 19	LAT. = -10 10 12.9 LONG. = 158 26 51.4 RAD. = 1740088.9	2.0 3.0 25.8
S1888	X = -1583814 Y = 626815 Z = -347751	31 24 17	LAT. = -11 32 19.8 LONG. = 158 24 29.4 RAD. = 1738474.3	2.2 3.0 29.3
T1422	X = -1558116 Y = 611002 Z = -468495	24 23 14	LAT. = -15 38 18.1 LONG. = 158 35 16.1 RAD. = 1737969.1	1.6 3.0 23.2
T1414	X = -1600037 Y = 591405 Z = 342948	26 2 15	LAT. = -11 22 2.8 LONG. = 159 42 52.9 RAD. = 1739968.6	1.6 3.0 24.9
S1855	X = -1593204 Y = 602275 Z = -358481	31 23 17	LAT. = -11 53 8.0 LONG. = 159 17 31.4 RAD. = 1740558.4	2.2 3.0 28.9

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TERRAIN POINTS ON MAP SHEET 85D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T141H	X = -1584457	25	LAT. = -13 31 31.2	2.1
	Y = 601721	24	LONG. = 159 12 17.9	3.0
	Z = -407694	21	RAD. = 1743211.2	26.3
T1299	X = -1569248	24	LAT. = -15 43 8.1	1.6
	Y = 579475	23	LONG. = 159 43 55.7	3.0
	Z = -470800	14	RAD. = 1737792.0	23.2



MAP SHEET 86C

0
107

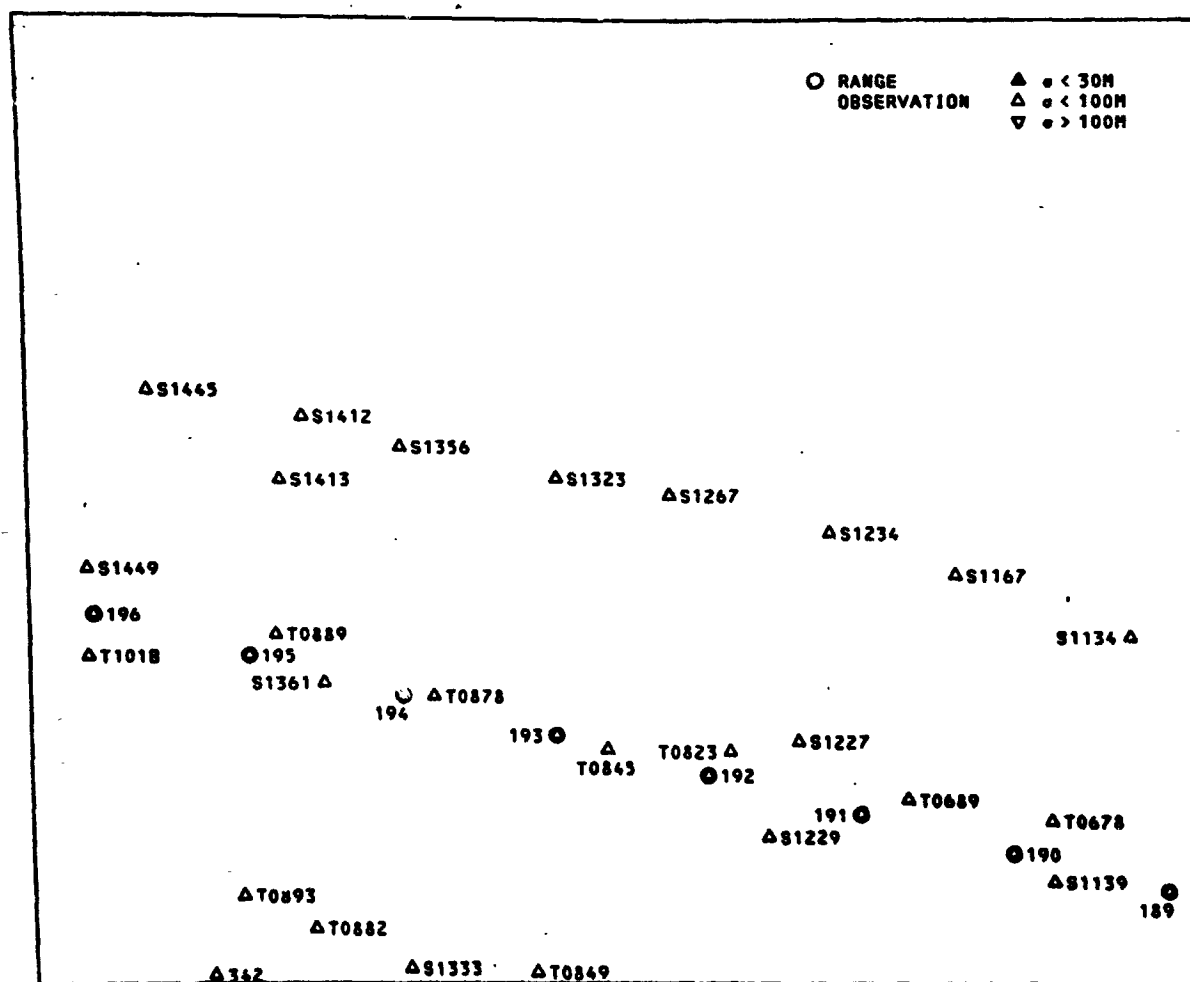
TERRAIN POINTS ON MAP SHEET 86C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T0645	X = -1680696 Y = -4603 Z = -450827	30 33 18	LAT. = -15 0 55.5 LONG. = 180 9 25.0 RAD. = 1740116.5	1.9 4.0 30.7
T0647	X = -1673381 Y = -760 Z = -473628	30 33 17	LAT. = -15 48 12.4 LONG. = 180 1 33.7 RAD. = 1739117.4	1.9 4.0 30.6
S1056	X = -1694514 Y = -29635 Z = -403890	32 33 25	LAT. = -13 24 15.9 LONG. = 181 0 7.0 RAD. = 1742235.3	2.6 4.1 34.9
S1034	X = -1692332 Y = -54777 Z = -409979	33 34 26	LAT. = -13 36 39.9 LONG. = 181 51 14.0 RAD. = 1742145.1	2.7 4.1 36.0
T0623	X = -1678298 Y = -40811 Z = -454311	31 34 19	LAT. = -15 8 33.1 LONG. = 181 23 34.7 RAD. = 1739180.6	2.0 4.1 32.8
188	X = -1675642 Y = -32667 Z = -465815	29 34 17	LAT. = -15 31 57.7 LONG. = 181 7 .6 RAD. = 1739490.4	1.9 4.1 29.5
T0489	X = -1675691 Y = -87423 Z = -469586	31 35 18	LAT. = -15 38 4.1 LONG. = 182 59 11.4 RAD. = 1742438.9	2.0 4.2 32.1
187	X = -1674835 Y = -71580 Z = -475183	29 34 17	LAT. = -15 49 33.4 LONG. = 182 26 50.1 RAD. = 1742411.0	1.9 4.2 29.8
S0967	X = -1687203 Y = -103958 Z = -417956	34 35 27	LAT. = -13 53 16.8 LONG. = 183 31 33.1 RAD. = 1741306.3	2.7 4.3 36.8
S0923	X = -1681050 Y = -148960 Z = -420030	35 36 29	LAT. = -13 58 34.2 LONG. = 185 3 49.8 RAD. = 1739121.8	2.9 4.4 38.8
S0867	X = -1679415 Y = -175956 Z = -430940	36 37 29	LAT. = -14 19 .7 LONG. = 185 58 52.2 RAD. = 1742730.9	2.9 4.5 40.2
S0823	X = -1672397 Y = -220862 Z = -441632	37 38 29	LAT. = -14 40 14.5 LONG. = 187 31 23.2 RAD. = 1743769.5	2.9 4.5 40.9

TERRAIN POINTS ON MAP SHEET 86C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S0756	X = -1662859 Y = -258366 Z = -441345	38 39 32	LAT. = -14 41 44.8 LONG. = 188 49 54.1 RAD. = 1739723.9	3.1 4.6 42.7

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MAP SHEET 86D

TERRAIN POINTS ON MAP SHEET 86D

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1449	X = -1677131 Y = 280750 Z = -378335	31 27 17	LAT. = -12 32 36.1 LONG. = 170 29 48.6 RAD. = 1742047.0	1.8 3.4 31.4
196	X = -1674984 Y = 278926 Z = -389758	27 27 16	LAT. = -12 55 38.5 LONG. = 170 32 44.2 RAD. = 1742205.8	1.8 3.4 26.5
T101B	X = -1672374 Y = 279995 Z = -399957	31 27 16	LAT. = -13 16 18.9 LONG. = 170 29 43.8 RAD. = 1742182.0	1.8 3.4 31.3
S1445	X = -1687824 Y = 266489 Z = -334110	30 28 22	LAT. = -11 3 48.6 LONG. = 171 1 39.7 RAD. = 1741090.2	2.3 3.4 31.7
195	X = -1677302 Y = 239893 Z = -399598	27 28 16	LAT. = -13 16 12.2 LONG. = 171 51 38.1 RAD. = 1740853.0	1.8 3.4 27.0
T0893	X = -1658396 Y = 239503 Z = -373376	27 23 15	LAT. = -15 16 3.5 LONG. = 171 46 55.1 RAD. = 1735903.0	1.7 3.4 27.2
342	X = -1651925 Y = 246291 Z = -476755	29 28 17	LAT. = -15 55 53.1 LONG. = 171 31 12.2 RAD. = 1736896.8	1.8 3.5 29.3
S1412	X = -1692145 Y = 227961 Z = -340691	30 28 23	LAT. = -11 17 3.3 LONG. = 172 19 38.9 RAD. = 1741089.5	2.4 3.5 31.7
S1413	X = -1688264 Y = 233158 Z = -356232	30 28 21	LAT. = -11 48 21.8 LONG. = 172 8 12.8 RAD. = 1741119.9	2.1 3.5 31.7
T0889	X = -1677231 Y = 233082 Z = -393825	27 28 16	LAT. = -13 5 33.5 LONG. = 172 5 18.1 RAD. = 1738542.2	1.8 3.4 27.4
S1361	X = -1675721 Y = 220508 Z = -405696	33 28 17	LAT. = -13 29 51.0 LONG. = 172 30 12.7 RAD. = 1738175.3	1.8 3.5 32.9
T0882	X = -1657176 Y = 221076 Z = -464880	29 28 16	LAT. = -15 32 21.2 LONG. = 172 24 4.7 RAD. = 1735287.3	1.8 3.5 28.7

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TERRAIN POINTS ON MAP SHEET 86D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S1356	X = -1694392 Y = 203125 Z = -348362	31 29 23	LAT. = -11 32 15.3 LONG. = 173 9 50.3 RAD. = 1741717.5	2.4 3.5 32.4
194	X = -1678748 Y = 200803 Z = -409208	28 28 16	LAT. = -13 36 20.9 LONG. = 173 10 44.4 RAD. = 1739531.0	1.8 3.5 27.4
T0878	X = -1680270 Y = 193141 Z = -409627	28 28 17	LAT. = -13 36 51.9 LONG. = 173 26 34.2 RAD. = 1740231.4	1.8 3.5 28.8
S1333	X = -1657531 Y = -196907 Z = -474569	36 29 18	LAT. = -15 52 15.9 LONG. = 173 13 31.0 RAD. = 1735337.9	2.4 3.7 34.0
S1323	X = -1693542 Y = 163092 Z = -355528	31 29 25	LAT. = -11 48 10.7 LONG. = 174 29 57.2 RAD. = 1738126.2	2.5 3.6 33.5
193	X = -1680389 Y = 161943 Z = -419022	28 29 15	LAT. = -13 56 29.8 LONG. = 174 29 43.0 RAD. = 1739411.0	1.8 3.6 27.7
T0845	X = -1678963 Y = 148768 Z = -422185	28 29 17	LAT. = -14 3 42.5 LONG. = 174 56 11.0 RAD. = 1737610.1	1.8 3.6 28.5
T0849	X = -1661380 Y = 165162 Z = -475745	28 29 16	LAT. = -15 54 17.8 LONG. = 174 19 21.8 RAD. = 1736028.8	1.8 3.6 28.4
S1267	X = -1697277 Y = 134529 Z = -360157	31 30 25	LAT. = -11 56 38.0 LONG. = 175 28 5.3 RAD. = 1740276.0	2.6 3.7 33.4
192	X = -1681265 Y = 123108 Z = -428932	28 30 16	LAT. = -14 16 32.2 LONG. = 175 48 43.5 RAD. = 1739479.6	1.8 3.7 27.9
S1234	X = -1698278 Y = 93694 Z = -369534	32 31 26	LAT. = -12 15 28.0 LONG. = 176 50 31.9 RAD. = 1740541.0	2.6 3.7 33.8
191	X = -1687705 Y = 100488 Z = -421358	32 31 19	LAT. = -13 59 36.9 LONG. = 176 35 33.9 RAD. = 1742496.3	1.9 3.8 33.3

TERRAIN POINTS ON MAP SHEET 86D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
T0823	X = -1683128 Y = 117694 Z = -423085	29 30 18	LAT. = -14 4 37.2 LONG. = 176 0 .2 RAD. = 1739475.0	1.9 3.7 29.9
S1229	X = -1681897 Y = 107699 Z = -444864	33 30 17	LAT. = -14 47 11.7 LONG. = 176 20 9.9 RAD. = 1743066.8	1.8 3.8 33.1
S1167	X = -1697658 Y = 61405 Z = -379960	32 31 26	LAT. = -12 36 27.8 LONG. = 177 55 42.5 RAD. = 1740741.6	2.6 3.8 34.2
T0689	X = -1685530 Y = 72433 Z = -435594	28 31 17	LAT. = -14 28 37.9 LONG. = 177 32 21.6 RAD. = 1742411.6	1.8 3.8 29.2
191	X = -1684256 Y = 84349 Z = -439324	28 31 17	LAT. = -14 36 6.7 LONG. = 177 7 58.7 RAD. = 1742652.9	1.8 3.8 28.2
T0678	X = -1682008 Y = 35793 Z = -439725	30 32 18	LAT. = -14 38 51.6 LONG. = 178 46 51.4 RAD. = 1738904.6	1.9 3.9 31.0
190	X = -1679296 Y = 45245 Z = -447603	28 32 17	LAT. = -14 55 10.5 LONG. = 178 27 24.0 RAD. = 1738514.3	1.9 3.9 28.6
S1139	X = -1677182 Y = 34901 Z = -454317	34 32 18	LAT. = -15 9 12.6 LONG. = 178 48 28.4 RAD. = 1737975.8	1.9 4.0 35.4
S1134	X = -1694245 Y = 17212 Z = -394880	32 32 25	LAT. = -13 7 8.9 LONG. = 179 25 4.6 RAD. = 1739739.3	2.6 3.9 35.0
189	X = -1677984 Y = 6286 Z = -456844	28 33 17	LAT. = -15 13 47.9 LONG. = 179 47 7.2 RAD. = 1739072.9	1.9 4.0 29.0

A-530

○ RANGE
OBSERVATION

▲ a < 30M
△ a < 100M
▽ a > 100M

△S0689

△S0667

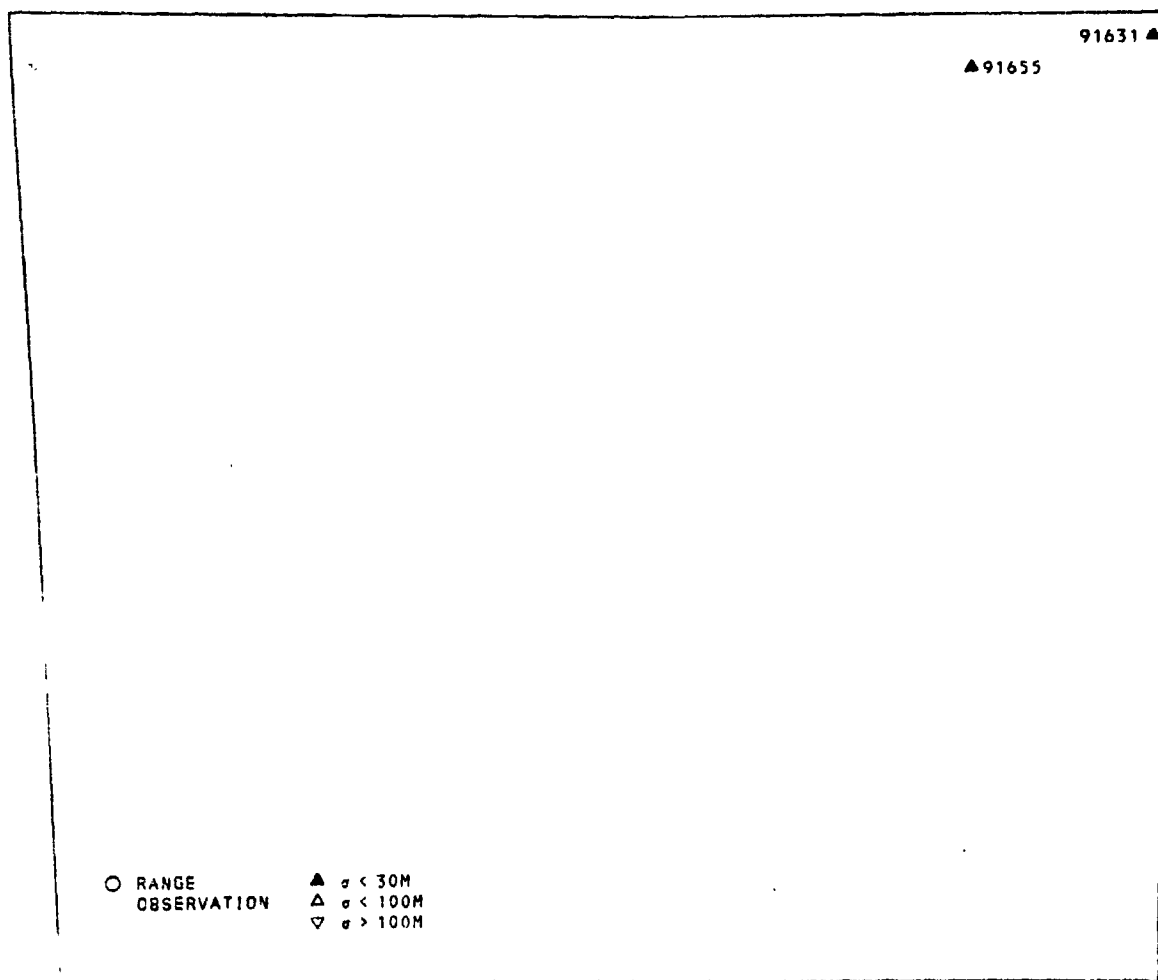
△S0578

MAP SHEET 87D

TERRAIN POINTS ON MAP SHEET 870

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
S0689	X = -1653979	39	LAT. = -14 49 46.0	3.3
	Y = -294457	40	LONG. = 190 5 40.5	4.7
	Z = -444795	34	RAD. = 1737870.2	44.6
S0667	X = -1649484	39	LAT. = -15 10 25.0	3.0
	Y = -330519	40	LONG. = 191 19 50.5	4.9
	Z = -456231	30	RAD. = 1743039.6	42.8
S0578	X = -1636137	37	LAT. = -15 16 51.6	2.8
	Y = -381768	41	LONG. = 193 8 2.8	4.9
	Z = -459021	27	RAD. = 1741663.5	40.4

A-532

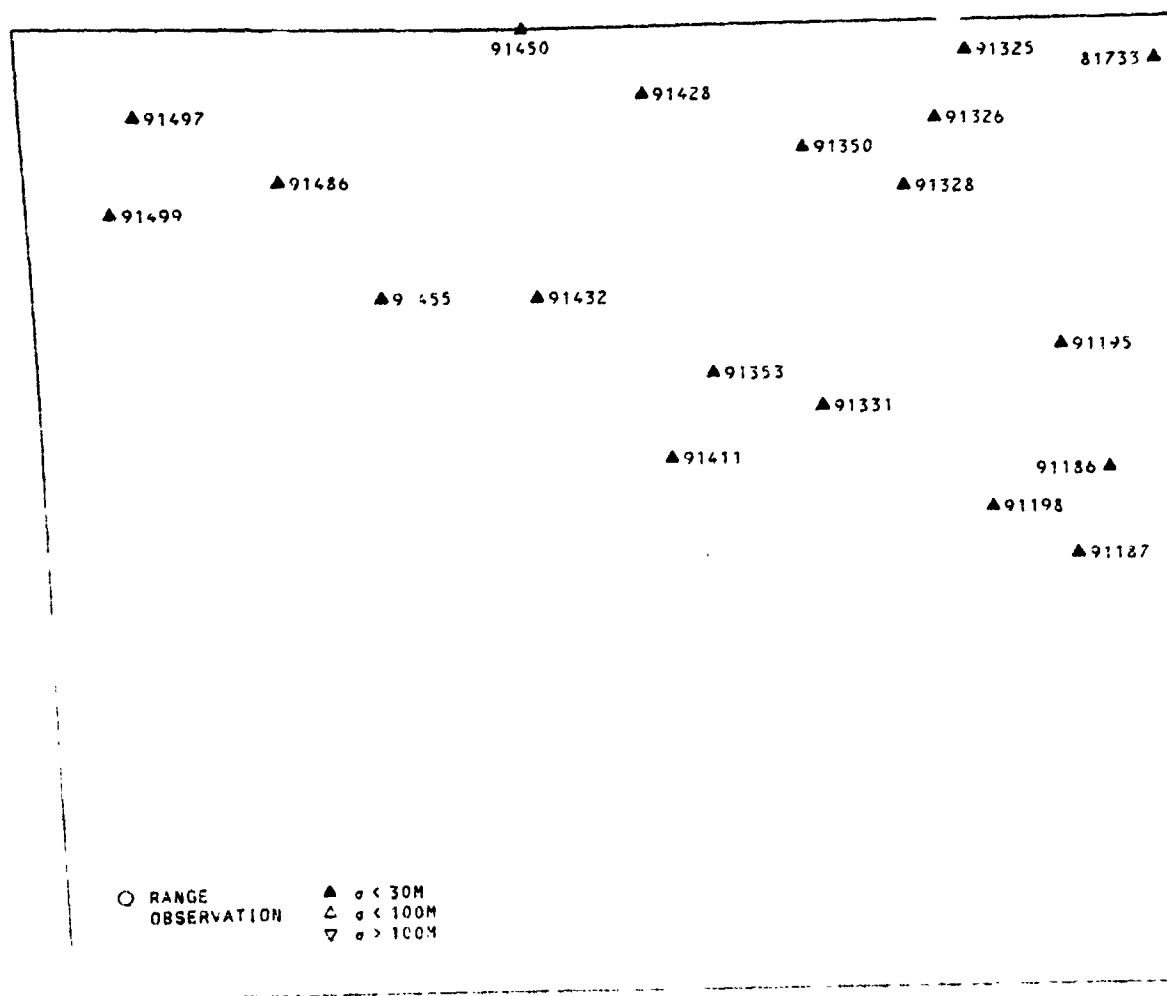


MAP SHEET 000

TERRAIN POINTS ON MAP SHEET 98B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91655	X = 616547	15	LAT. = -16 26 40.3	2.2
	Y = 1546915	26	LONG. = 68 16 10.2	2.1
	Z = -491518	15	RAD. = 1736279.5	22.6
91631	X = 574662	14	LAT. = -16 11 29.3	1.9
	Y = 1565244	24	LONG. = 69 50 23.4	1.9
	Z = -484155	14	RAD. = 1736269.2	21.7

A-534

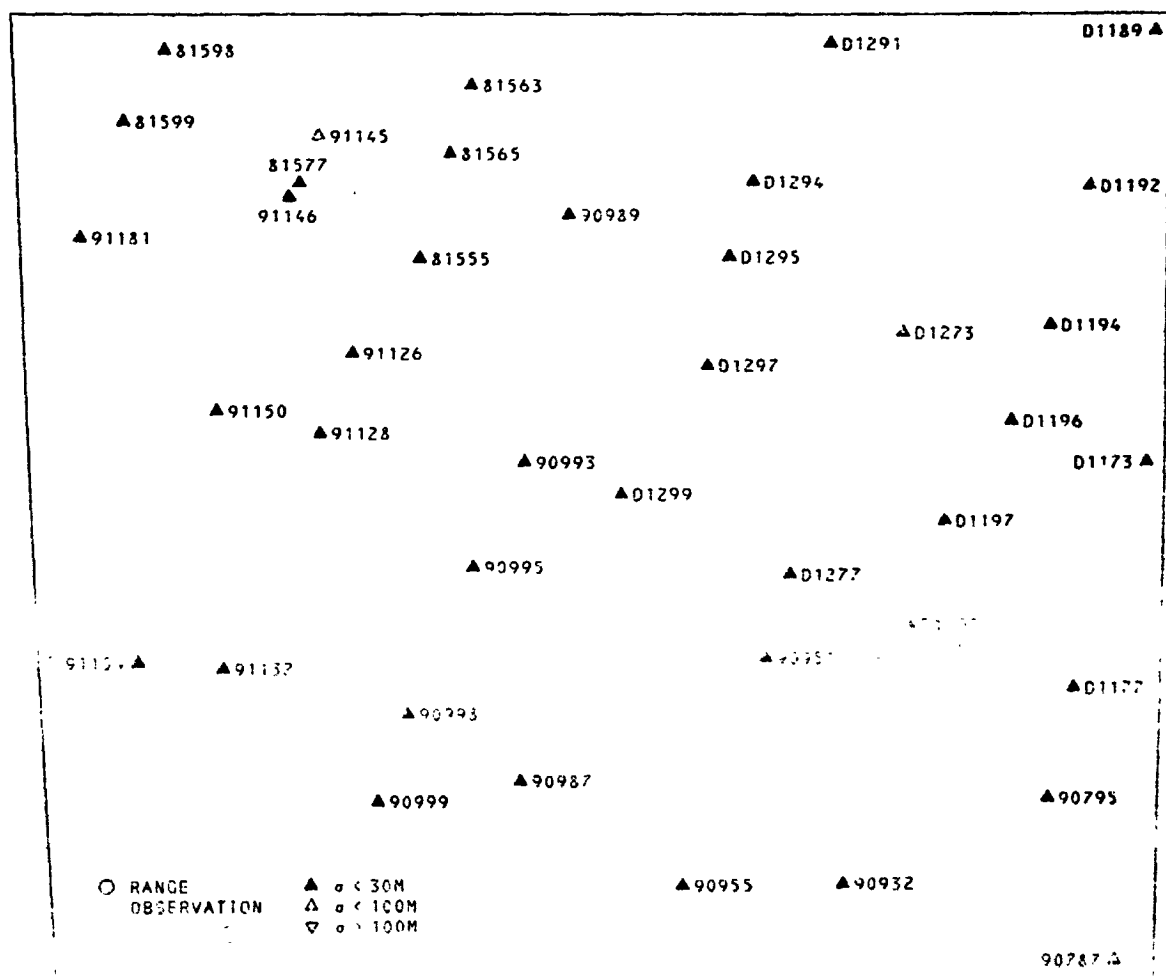


TERRAIN POINTS ON MAP SHEET 99A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91497	X = 542232 Y = 1572037 Z = -499534	13 23 13	LAT. = -16 43 12.0 LONG. = 70 58 10.2 RAD. = 1736332.2	1.8 1.8 20.6
91499	X = 546731 Y = 1562992 Z = -522418	15 26 15	LAT. = -17 30 37.2 LONG. = 70 43 13.0 RAD. = 1736312.0	2.2 2.0 22.5
91486	X = 507653 Y = 1578581 Z = -515028	13 23 13	LAT. = -17 15 16.2 LONG. = 72 10 22.2 RAD. = 1736341.4	1.8 1.8 20.8
91455	X = 481540 Y = 1578663 Z = -543579	14 25 14	LAT. = -18 13 45.0 LONG. = 73 2 12.2 RAD. = 1737681.0	2.0 2.0 22.0
91450	X = 450912 Y = 1607877 Z = -479050	13 20 13	LAT. = -16 0 24.2 LONG. = 74 20 3.8 RAD. = 1737261.5	1.4 1.6 20.1
91432	X = 443330 Y = 1589552 Z = -544033	13 22 13	LAT. = -18 14 42.7 LONG. = 74 23 1.2 RAD. = 1737674.9	1.8 1.7 20.1
91428	X = 420249 Y = 1611008 Z = -495331	14 20 13	LAT. = -16 34 5.8 LONG. = 75 22 46.6 RAD. = 1737040.3	1.5 1.7 20.2
91353	X = 398602 Y = 1593340 Z = -562130	13 24 13	LAT. = -18 53 37.1 LONG. = 75 57 17.0 RAD. = 1735974.1	1.9 1.8 21.6
91411	X = 407455 Y = 1583254 Z = -582286	14 26 15	LAT. = -19 35 53.0 LONG. = 75 34 23.5 RAD. = 1735992.4	2.2 2.0 22.2
91350	X = 379953 Y = 1617240 Z = -508939	13 20 13	LAT. = -17 1 57.7 LONG. = 76 46 43.5 RAD. = 1737483.2	1.5 1.6 20.1
91331	X = 371441 Y = 1598406 Z = -571023	12 22 13	LAT. = -19 11 11.5 LONG. = 76 55 3.7 RAD. = 1737508.5	1.8 1.7 20.2
91326	X = 347616 Y = 1625929 Z = -502378	12 17 12	LAT. = -16 48 44.0 LONG. = 77 55 55.6 RAD. = 1736912.2	1.4 1.5 16.6

TERRAIN POINTS ON MAP SHEET 99A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
91328	X = 354325 Y = 1619375 Z = -518597	12 20 13	LAT. = -17 21 19.1 LONG. = 77 39 28.8 RAD. = 1736912.2	1.5 1.6 20.1
91325	X = 341370 Y = 1633158 Z = -486402	12 17 12	LAT. = -16 15 10.5 LONG. = 78 11 37.5 RAD. = 1737908.4	1.4 1.5 16.6
91198	X = 327310 Y = 1597578 Z = -595107	12 22 13	LAT. = -20 2 54.0 LONG. = 78 25 17.6 RAD. = 1735955.4	1.9 1.6 20.1
81733	X = 293860 Y = 1638534 Z = -488415	11 16 12	LAT. = -16 21 6.0 LONG. = 79 49 56.9 RAD. = 1734847.3	1.3 1.4 16.0
91195	X = 312905 Y = 1614100 Z = -556800	12 20 12	LAT. = -18 42 32.2 LONG. = 79 1 44.0 RAD. = 1735873.4	1.5 1.6 20.1
91185	X = 299133 Y = 1605920 Z = -586619	12 22 13	LAT. = -19 44 6.1 LONG. = 79 26 54.6 RAD. = 1733476.2	1.7 1.6 20.1
91187	X = 305060 Y = 1595079 Z = -605348	12 24 13	LAT. = -20 26 35.3 LONG. = 79 10 22.4 RAD. = 1733142.9	1.9 1.7 20.8



TERRAIN POINTS ON MAP SHEET 99B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81599	X = 262350 Y = 1642772 Z = -504572	11 16 11	LAT. = -16 52 21.8 LONG. = 80 55 35.4 RAD. = 1738424.8	1.4 1.4 15.6
91181	X = 272388 Y = 1631188 Z = -531732	11 17 12	LAT. = -17 49 26.2 LONG. = 80 31 11.3 RAD. = 1737155.6	1.4 1.4 16.5
91154	X = 255806 Y = 1594636 Z = -629815	12 23 14	LAT. = -21 18 16.0 LONG. = 80 53 11.3 RAD. = 1733484.0	2.0 1.6 20.4
81598	X = 252245 Y = 1648515 Z = -487391	11 15 11	LAT. = -16 17 28.2 LONG. = 81 18 1.6 RAD. = 1737463.6	1.3 1.3 15.1
91150	X = 237990 Y = 1623579 Z = -572922	12 20 13	LAT. = -19 14 47.0 LONG. = 81 39 38.8 RAD. = 1738070.5	1.5 1.5 19.6
	X = 234958 Y = 1590502 Z = -632255	14 25 15	LAT. = -21 21 31.0 LONG. = 81 33 37.8 RAD. = 1735991.4	2.2 1.2 21.9
91145	X = 213659 Y = 1648601 Z = -508087	15 27 36	LAT. = -16 59 42.2 LONG. = 82 36 56.3 RAD. = 1738300.4	3.4 1.9 34.4
81577	X = 218386 Y = 1644764 Z = -519315	11 16 11	LAT. = -17 22 46.8 LONG. = 82 26 12.1 RAD. = 1738571.2	1.4 1.4 15.9
	X = 220376 Y = 1642789 Z = -522542	14 19 12	LAT. = -17 29 52.3 LONG. = 82 20 32.6 RAD. = 1737990.8	1.9 1.7 21.4
91126	X = 204343 Y = 1632803 Z = -559562	11 17 12	LAT. = -18 46 49.7 LONG. = 82 51 59.8 RAD. = 1738076.6	1.4 1.4 16.6
91128	X = 211948 Y = 1624359 Z = -578014	12 20 13	LAT. = -19 26 7.5 LONG. = 82 33 57.5 RAD. = 1737114.1	1.5 1.5 19.8
	X = 195729 Y = 1593141 Z = -663513	14 25 15	LAT. = -22 27 32.0 LONG. = 82 59 45.2 RAD. = 1736852.8	2.2 1.9 21.6

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
81563	X = 175574 Y = 1656307 Z = -495976	11 18 12	LAT. = -16 34 56.7 LONG. = 83 56 56.6 RAD. = 1737864.3	1.4 1.4 17.7
81565	X = 180647 Y = 1650959 Z = -512289	10 14 11	LAT. = -17 8 33.8 LONG. = 83 45 20.0 RAD. = 1738027.6	1.3 1.3 14.4
81555	X = 187460 Y = 1638980 Z = -536212	10 15 11	LAT. = -18 0 23.0 LONG. = 83 28 30.3 RAD. = 1734623.7	1.3 1.3 14.8
90995	X = 172969 Y = 1617195 Z = -609253	12 20 13	LAT. = -20 32 9.1 LONG. = 83 53 42.3 RAD. = 1736786.9	1.6 1.5 19.9
90998	X = 188600 Y = 1601819 Z = -643161	12 22 13	LAT. = -21 44 25.3 LONG. = 83 17 5.5 RAD. = 1736390.1	1.9 1.6 19.9
90989	X = 150420 Y = 1647256 Z = -526369	14 19 21	LAT. = -17 39 7.4 LONG. = 84 46 56.9 RAD. = 1735841.0	2.2 1.7 21.9
90993	X = 160760 Y = 1628823 Z = -585319	12 19 14	LAT. = -19 40 39.9 LONG. = 84 21 48.0 RAD. = 1738248.0	1.5 1.5 19.6
90987	X = 160012 Y = 1598098 Z = -658611	12 23 13	LAT. = -22 17 49.7 LONG. = 84 16 56.1 RAD. = 1735883.5	2.0 1.6 20.0
D1297	X = 115234 Y = 1641388 Z = -563077	10 15 11	LAT. = -18 53 28.8 LONG. = 85 59 2.8 RAD. = 1739105.8	1.3 1.3 14.5
D1299	X = 136319 Y = 1627306 Z = -592518	11 16 12	LAT. = -19 56 33.9 LONG. = 85 12 41.5 RAD. = 1737177.3	1.4 1.4 15.9
90955	X = 118944 Y = 1591909 Z = -683204	14 24 15	LAT. = -23 10 11.8 LONG. = 85 43 36.9 RAD. = 1736401.9	2.2 1.8 21.6
D1294	X = 104490 Y = 1656409 Z = -519499	10 15 12	LAT. = -17 22 49.8 LONG. = 86 23 25.6 RAD. = 1739105.9	1.3 1.3 15.1

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

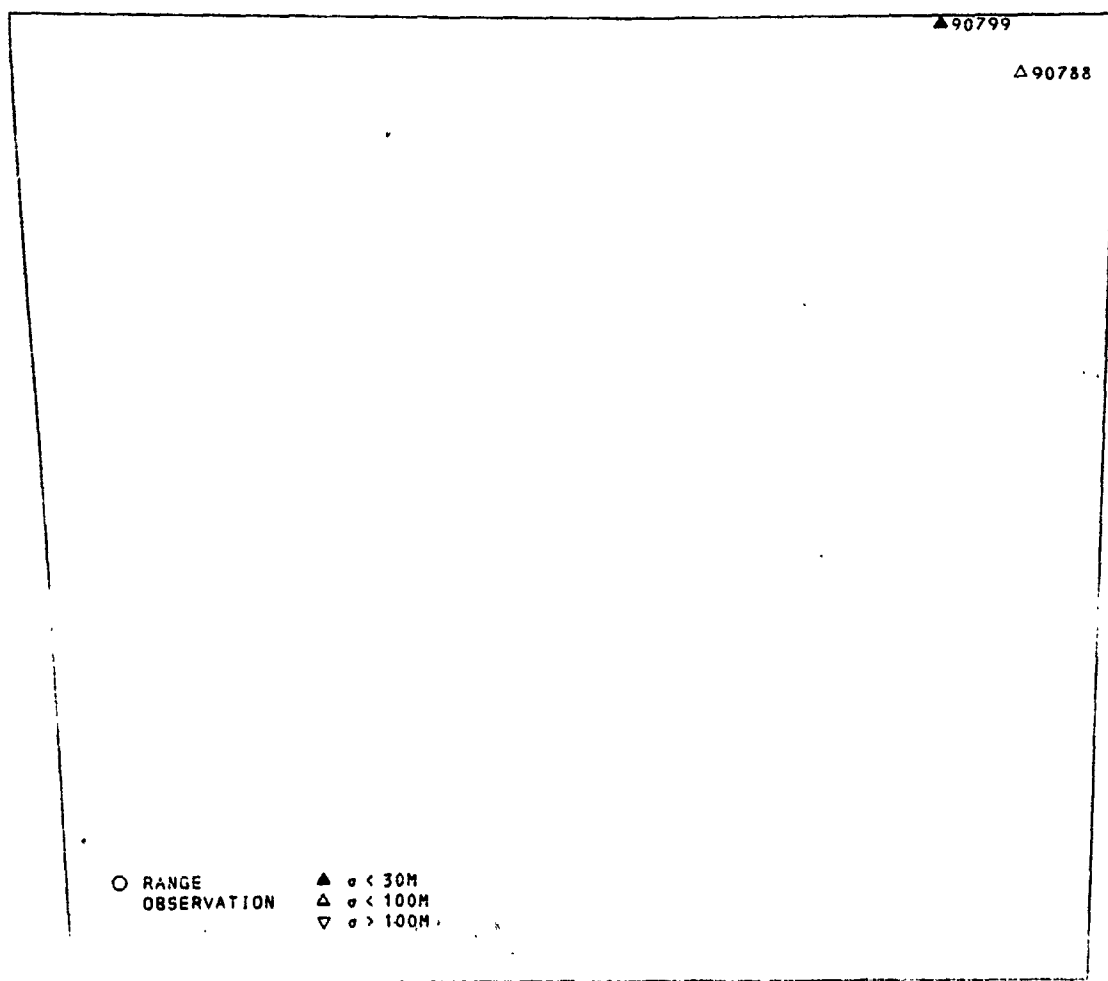
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1295	X = 110171 Y = 1649497 Z = -537188	10 15 12	LAT. = -18 0 4.5 LONG. = 86 10 43.9 RAD. = 1738260.4	1.4 1.3 14.9
D1277	X = 93672 Y = 1623463 Z = -611587	11 18 13	LAT. = -20 36 39.2 LONG. = 86 41 51.9 RAD. = 1737367.5	1.5 1.4 18.1
90951	X = 99384 Y = 1615031 Z = -630718	12 20 13	LAT. = -21 17 43.7 LONG. = 86 28 43.1 RAD. = 1736665.9	1.6 1.5 19.8
D1291	X = 85077 Y = 1663563 Z = -485204	11 17 14	LAT. = -16 14 24.2 LONG. = 87 4 20.5 RAD. = 1734964.8	1.5 1.4 18.2
D1273	X = 66288 Y = 1644408 Z = -554757	11 15 12	LAT. = -18 37 41.6 LONG. = 87 41 29.8 RAD. = 1736729.1	1.4 1.3 15.9
D1193	X = 63685 Y = 1613522 Z = -622553	11 17 12	LAT. = -21 1 27.7 LONG. = 87 44 43.1 RAD. = 1735246.2	1.5 1.4 16.5
90932	X = 78523 Y = 1593789 Z = -682913	13 23 14	LAT. = -23 10 9.2 LONG. = 87 10 45.9 RAD. = 1735712.5	2.0 1.7 20.8
D1194	X = 29293 Y = 1646442 Z = -553005	11 15 12	LAT. = -18 33 48.1 LONG. = 88 58 50.6 RAD. = 1737079.1	1.4 1.3 15.8
D1195	X = 38068 Y = 1638801 Z = -575758	10 15 12	LAT. = -19 21 10.3 LONG. = 88 38 54.0 RAD. = 1737429.3	1.4 1.3 15.1
D1197	X = 55436 Y = 1626934 Z = -598098	10 16 12	LAT. = -20 10 25.7 LONG. = 88 2 54.5 RAD. = 1734275.1	1.5 1.3 15.4
D1189	X = 3741 Y = 1669227 Z = 483147	10 14 11	LAT. = -16 8 33.7 LONG. = 89 52 17.7 RAD. = 1737746.3	1.3 1.2 14.1
D1192	X = 1502 Y = 1659120 Z = -520484	12 18 15	LAT. = -17 24 57.9 LONG. = 89 19 13.2 RAD. = 1738956.4	1.5 1.4 18.9

TERRAIN POINTS ON MAP SHEET 99B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1173	X = 4558 Y = 1632920 Z = -584454	11 16 13	LAT. = -19 41 35.6 LONG. = 89 50 24.3 RAD. = 1734368.7	1.5 1.4 16.4
D1177	X = 21746 Y = 1616122 Z = -638370	11 17 12	LAT. = -21 33 8.3 LONG. = 89 13 44.8 RAD. = 1737768.5	1.5 1.4 17.1
90795	X = 27702 Y = 1604137 Z = -663437	13 22 15	LAT. = -22 27 57.4 LONG. = 89 0 38.3 RAD. = 1736136.9	1.8 1.7 21.8
90787	X = 10084 Y = 1590565 Z = -701839	15 36 15	LAT. = -23 48 32.8 LONG. = 89 38 12.3 RAD. = 1738555.4	2.5 1.9 32.4

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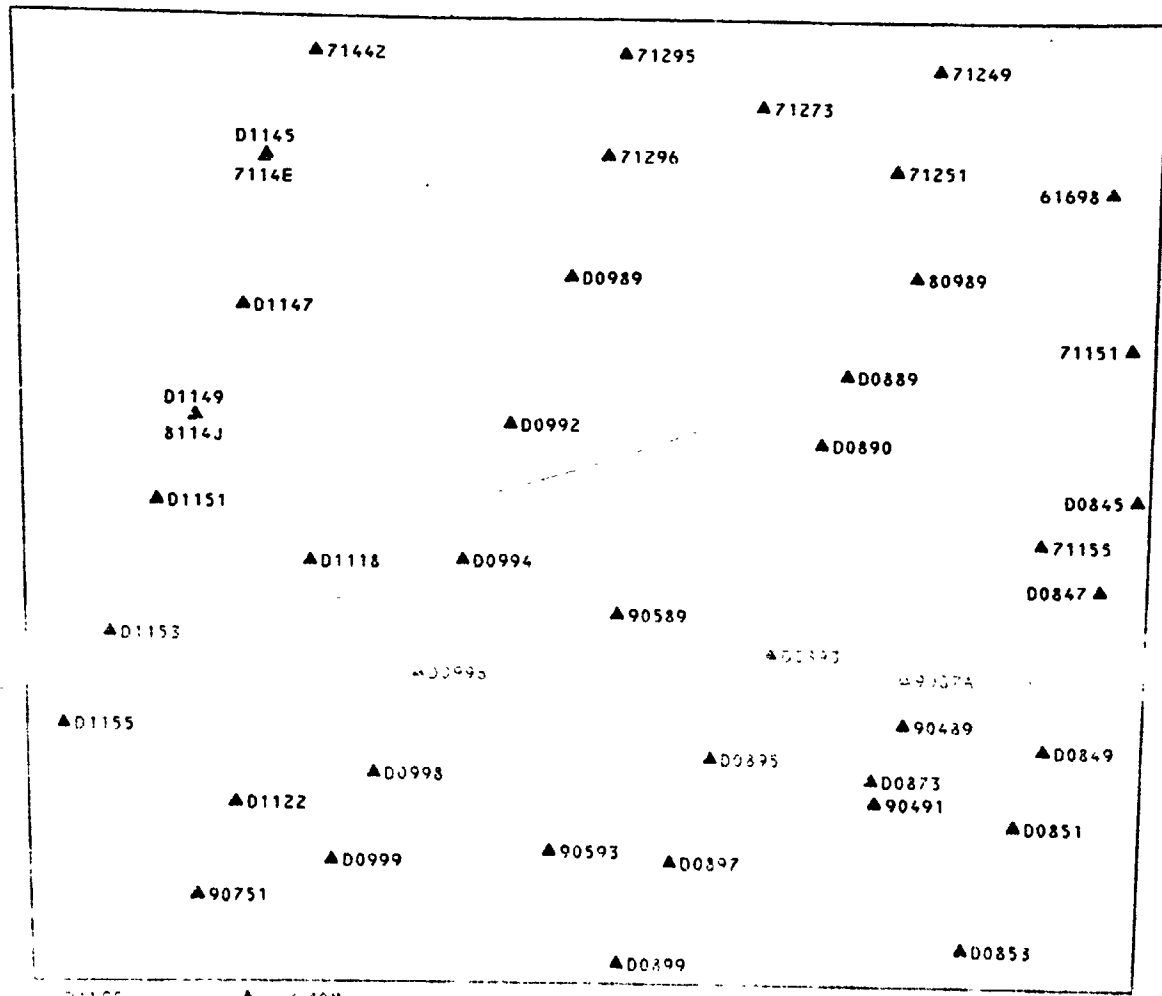
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MAP SHEET 990

TERRAIN POINTS ON MAP SHEET 99C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90799	X = 44125 Y = 1586460 Z = -708944	14 24 15	LAT. = -24 4 13.0 LONG. = 88 24 24.5 RAD. = 1738218.8	2.2 1.8 21.5
90788	X = 23358 Y = 1581201 Z = -720118	19 40 17	LAT. = -24 29 .0 LONG. = 89 9 13.2 RAD. = 1737617.2	3.1 2.5 34.3



RANGE
ELEVATION
▲ 0-50M
△ 50-100M
□ 100-150M

NAP SHEET 1004

TERRAIN POINTS ON MAP SHEET 100A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D1153	X = -20910 Y = 1621148 Z = -626213	11 16 12	LAT. = -21 7 7.8 LONG. = 90 44 19.0 RAD. = 1738015.8	1.5 1.3 15.4
D1155	X = -8916 Y = 1611634 Z = -647037	11 17 12	LAT. = -21 52 26.9 LONG. = 90 19 1.1 RAD. = 1736692.4	1.5 1.4 16.6
D1147	X = -56170 Y = 1648164 Z = -548412	12 17 14	LAT. = -18 23 39.9 LONG. = 91 57 6.9 RAD. = 1737917.3	1.5 1.5 18.1
D1149	X = -43581 Y = 1639231 Z = -574838	12 17 15	LAT. = -19 19 5.5 LONG. = 91 31 22.5 RAD. = 1737647.0	1.6 1.6 18.2
8114J	X = -43534 Y = 1639187 Z = -574825	16 23 16	LAT. = -19 19 5.8 LONG. = 91 31 16.7 RAD. = 1737599.9	1.9 2.0 22.8
D1151	X = -33387 Y = 1632217 Z = -594840	10 15 12	LAT. = -20 1 11.1 LONG. = 91 10 18.5 RAD. = 1737550.0	1.4 1.3 15.2
D1122	X = -51571 Y = 1601670 Z = -664350	11 19 13	LAT. = -22 31 2.9 LONG. = 91 50 39.1 RAD. = 1734752.9	1.6 1.5 18.5
90751	X = -41323 Y = 1592898 Z = -685780	12 21 14	LAT. = -23 17 9.7 LONG. = 91 29 9.7 RAD. = 1734740.8	1.7 1.5 20.3
71442	X = -75878 Y = 1668144 Z = -487752	11 16 12	LAT. = -16 16 57.3 LONG. = 92 36 15.8 RAD. = 1739644.3	1.4 1.4 16.5
D1145	X = -62819 Y = 1659185 Z = -512126	14 20 22	LAT. = -17 8 30.7 LONG. = 92 10 5.8 RAD. = 1737559.5	2.2 1.8 22.6
7114E	X = -62365 Y = 1659273 Z = -512979	24 39 16	LAT. = -17 10 5.0 LONG. = 92 9 9.0 RAD. = 1737879.3	2.6 2.9 36.9
D1118	X = -71819 Y = 1624962 Z = -608433	11 16 13	LAT. = -20 30 32.4 LONG. = 92 31 50.5 RAD. = 1736620.0	1.5 1.4 16.5

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TERRAIN POINTS ON MAP SHEET 100A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D0999	X = -75314 Y = 1595165 Z = -677588	11 18 13	LAT. = -22 59 30.1 LONG. = 92 42 11.3 RAD. = 1734748.0	1.6 1.4 17.3
D0994	X = -110472 Y = 1624298 Z = -608516	11 15 13	LAT. = -20 29 39.2 LONG. = 93 53 27.0 RAD. = 1738056.5	1.5 1.4 15.9
D0996	X = -98351 Y = 1614782 Z = -634936	10 15 12	LAT. = -21 25 43.6 LONG. = 93 29 7.4 RAD. = 1737911.6	1.4 1.3 15.1
D0998	X = -86505 Y = 1603281 Z = -657467	10 15 12	LAT. = -22 16 5.3 LONG. = 93 5 18.2 RAD. = 1735009.2	1.5 1.3 15.1
D0989	X = -139265 Y = 1642429 Z = -539993	11 15 12	LAT. = -18 8 19.9 LONG. = 94 50 47.9 RAD. = 1734520.1	1.4 1.3 14.7
70791	X = -123420 Y = 1635828 Z = -576439	11 17 14	LAT. = -19 21 38.5 LONG. = 94 18 52.8 RAD. = 1738805.9	1.5 1.4 17.7
90593	X = -130487 Y = 1595244 Z = -676405	11 17 13	LAT. = -22 54 32.5 LONG. = 94 40 34.4 RAD. = 1737629.3	1.5 1.4 17.2
71295	X = -153964 Y = 1659753 Z = -487130	13 22 14	LAT. = -16 17 25.8 LONG. = 95 17 59.2 RAD. = 1736600.4	1.6 1.6 22.2
71294	X = -149135 Y = 1650834 Z = -510965	11 16 13	LAT. = -17 7 57.5 LONG. = 95 9 43.3 RAD. = 1734525.7	1.5 1.4 16.1
90589	X = -149013 Y = 1613676 Z = -620068	11 16 13	LAT. = -20 56 18.1 LONG. = 95 16 33.4 RAD. = 1735119.4	1.5 1.4 16.2
D0897	X = -160805 Y = 1590897 Z = -678522	11 16 13	LAT. = -22 59 36.6 LONG. = 95 46 18.2 RAD. = 1737009.6	1.6 1.4 16.1
D0899	X = -146546 Y = 1531576 Z = -701635	12 18 13	LAT. = -23 49 58.4 LONG. = 95 17 37.7 RAD. = 1736419.3	1.7 1.5 17.2

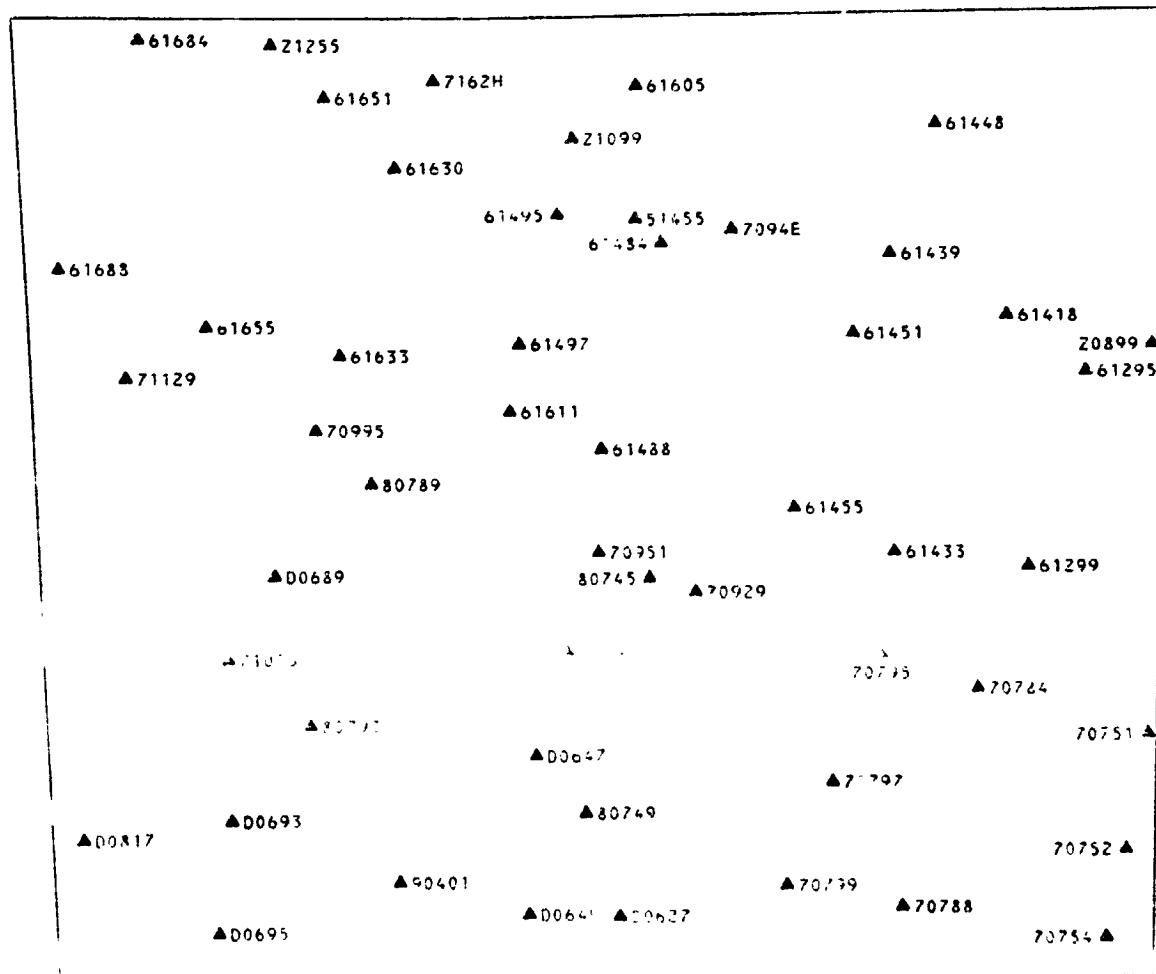
TERRAIN POINTS ON MAP SHEET 100A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
71273	X = -188384 Y = 1651144 Z = -499383	12 19 12	LAT. = -16 43 31.3 LONG. = 96 30 32.0 RAD. = 1735265.8	1.6 1.4 18.5
D0893	X = -187577 Y = 1607963 Z = -629851	11 15 13	LAT. = -21 15 34.2 LONG. = 96 39 13.6 RAD. = 1737078.5	1.4 1.4 15.1
D0895	X = -171490 Y = 1598829 Z = -653919	11 16 12	LAT. = -22 7 47.7 LONG. = 96 7 19.7 RAD. = 1735878.5	1.5 1.4 15.7
71251	X = -222027 Y = 1643937 Z = -515014	12 18 12	LAT. = -17 14 51.3 LONG. = 97 41 30.1 RAD. = 1736969.9	1.5 1.4 18.1
80989	X = -226338 Y = 1634517 Z = -540291	14 20 23	LAT. = -18 7 47.3 LONG. = 97 53 1.8 RAD. = 1736315.1	2.3 1.8 23.0
D0839	X = -208294 Y = 1628497 Z = -563527	11 15 15	LAT. = -18 56 51.4 LONG. = 97 17 10.9 RAD. = 1735313.1	1.5 1.4 15.0
D0890	X = -201543 Y = 1623574 Z = -579910	11 15 12	LAT. = -19 31 2.7 LONG. = 97 4 34.5 RAD. = 1735773.6	1.4 1.3 14.7
9087A	X = -221005 Y = 1602450 Z = -635550	17 24 41	LAT. = -21 26 58.1 LONG. = 97 51 9.1 RAD. = 1737991.2	3.8 2.1 34.6
90489	X = -220286 Y = 1597223 Z = -646137	14 18 22	LAT. = -21 50 17.1 LONG. = 97 51 0.3 RAD. = 1736091.3	2.2 1.8 21.6
D0873	X = -211954 Y = 1593040 Z = -659039	11 17 13	LAT. = -22 17 52.1 LONG. = 97 34 43.3 RAD. = 1736960.7	1.5 1.4 17.1
90491	X = -212746 Y = 1590551 Z = -664264	14 19 20	LAT. = -22 29 12.7 LONG. = 97 37 6.4 RAD. = 1736767.5	2.0 1.8 21.5
71049	X = -2033763 Y = 1652311 Z = -491228	10 18 12	LAT. = -16 04 9.6 LONG. = 98 3 9.1 RAD. = 1739564.0	1.1 1.4 17.7

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TERRAIN POINTS ON MAP SHEET 1 A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	GEODESIC POSITION	STD DEV
D0851	X = -247180 Y = 1583770 Z = -669493	11 15 13	LAT. = -22 40 6.9 LONG. = 98 52 14.2 RAD. = 1737137.1	1.5 1.4 15.3
D0853	X = -233105 Y = 1573481 Z = -697916	11 16 13	LAT. = -23 41 23.9 LONG. = 98 25 36.6 RAD. = 1737027.8	1.6 1.4 15.8
61698	X = -276253 Y = 1636162 Z = -520425	12 19 12	LAT. = -17 24 48.2 LONG. = 99 35 .8 RAD. = 1739018.5	1.5 1.4 18.2
71151	X = -280202 Y = 1623253 Z = -557733	12 16 13	LAT. = -18 42 18.7 LONG. = 99 47 37.5 RAD. = 1739117.2	1.5 1.5 16.9
D0845	X = -280482 Y = 1609321 Z = -593189	11 15 13	LAT. = -19 57 25.5 LONG. = 99 53 11.6 RAD. = 1737945.9	1.5 1.4 15.4
71155	X = -256256 Y = 1609197 Z = -607340	16 23 15	LAT. = -20 19 58.9 LONG. = 99 2 53.1 RAD. = 1737754.6	2.2 1.3 21.1
D0847	X = -270707 Y = 1603195 Z = -614578	11 16 13	LAT. = -20 42 22.8 LONG. = 99 35 3 4 RAD. = 1738166.4	1.5 1.4 15.7
D0849	X = -255352 Y = 1590607 Z = -652035	11 15 13	LAT. = -22 2 7.6 LONG. = 99 7 13.1 RAD. = 1737925.1	1.5 1.4 15.7



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TERRAIN POINTS ON MAP SHEET 100B

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61688	X = -295159 Y = 1626185 Z = -538863	12 18 12	LAT. = -18 3 28.8 LONG. = 100 17 14.7 RAD. = 1738381.6	1.5 1.5 17.7
71129	X = -308604 Y = 1612930 Z = -564592	13 18 16	LAT. = -18 58 23.6 LONG. = 100 49 53.7 RAD. = 1736532.1	1.7 1.6 20.0
00817	X = -285784 Y = 1576910 Z = -673914	11 16 14	LAT. = -22 48 26.7 LONG. = 100 16 20.0 RAD. = 1738527.9	1.5 1.5 16.7
61684	X = -320809 Y = 1639262 Z = -484487	11 15 12	LAT. = -16 10 29.2 LONG. = 101 4 22.9 RAD. = 1739202.9	1.4 1.4 15.4
61655	X = -330275 Y = 1614480 Z = -553133	16 23 15	LAT. = -18 33 16.7 LONG. = 101 33 41.4 RAD. = 1738270.1	2.1 1.8 22.0
	X = -327102 Y = 1591271 Z = -542211	16 21 15	LAT. = -21 19 21.0 LONG. = 101 39 51.6 RAD. = 1732552.3	2.2 1.9 21.7
00693	X = -323198 Y = 1570739 Z = -669714	12 15 14	LAT. = -22 39 59.0 LONG. = 101 37 37.2 RAD. = 1737870.4	1.5 1.5 16.1
00695	X = -316592 Y = 1560086 Z = -695454	11 16 13	LAT. = -23 35 57.5 LONG. = 101 28 17.0 RAD. = 1737168.8	1.5 1.5 15.7
	X = -3553219 Y = 1632210 Z = -403700	15 19 15	LAT. = -16 13 10.8 LONG. = 102 12 51.0 RAD. = 1739230.3	1.8 1.7 18.5
61651	X = -364887 Y = 1623945 Z = -498012	12 15 12	LAT. = -16 39 27.3 LONG. = 102 39 48.9 RAD. = 1737341.6	1.4 1.4 15.5
61633	X = -363234 Y = 1606472 Z = -560809	13 18 12	LAT. = -18 48 13.1 LONG. = 102 44 26.6 RAD. = 1739884.1	1.5 1.5 17.6
10005	X = -384111 Y = 1601020 Z = -578314	11 21 14	LAT. = -19 25 29.9 LONG. = 102 30 21.9 RAD. = 1733415.0	1.7 1.7 21.8

TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
80789	X = -367543 Y = 1593120 Z = -590998	14 20 23	LAT. = -19 52 24.9 LONG. = 102 59 28.3 RAD. = 1738504.9	2.3 1.9 22.8
D0689	X = -340985 Y = 1590550 Z = -612522	14 19 22	LAT. = -20 38 1.0 LONG. = 102 6 .1 RAD. = 1738189.4	2.2 1.9 22.3
80793	X = -345768 Y = 1575648 Z = -647904	14 21 17	LAT. = -21 52 55.8 LONG. = 102 22 37.5 RAD. = 1738390.3	1.8 1.8 22.5
7162H	X = -392364 Y = 1618302 Z = -494012	14 20 22	LAT. = -16 31 26.6 LONG. = 103 37 43.0 RAD. = 1736921.7	2.2 1.8 22.4
61630	X = -391398 Y = 1617035 Z = -515762	12 16 12	LAT. = -17 14 46.6 LONG. = 103 16 16.9 RAD. = 1739620.0	1.4 1.5 15.8
20499	X = -363563 Y = 1556311 Z = -684622	14 17 22	LAT. = -23 11 19.4 LONG. = 103 8 53.7 RAD. = 1758674.1	2.2 1.9 21.5
21099	X = -426213 Y = 1609470 Z = -509580	15 19 13	LAT. = -17 1 2.8 LONG. = 104 49 56.5 RAD. = 1741184.1	1.8 1.7 18.3
61495	X = -420454 Y = 1603536 Z = -527449	15 21 14	LAT. = -17 38 58.8 LONG. = 104 41 32.8 RAD. = 1739630.0	1.6 1.7 21.6
61497	X = -407642 Y = 1594783 Z = -557729	16 23 14	LAT. = -18 43 9.6 LONG. = 104 20 18.1 RAD. = 1737994.1	1.9 1.6 22.0
61611	X = -404067 Y = 1591808 Z = -574460	13 18 12	LAT. = -19 16 45.9 LONG. = 104 14 35.5 RAD. = 1739863.7	1.6 1.6 17.6
D0645	X = -411533 Y = 1566692 Z = -630810	12 15 13	LAT. = -21 16 38.2 LONG. = 104 43 3.9 RAD. = 1738334.3	1.5 1.6 15.7
D0647	X = -400775 Y = 1559287 Z = -655157	13 16 13	LAT. = -22 8 35.8 LONG. = 104 24 51.8 RAD. = 1738168.1	1.6 1.6 15.6

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TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
80749	X = -411322 Y = 1550585 Z = -668439	15 21 17	LAT. = -22 37 13.4 LONG. = 104 51 23.9 RAD. = 1737904.2	1.8 1.9 22.6
D0649	X = -394404 Y = 1544764 Z = -691937	12 16 14	LAT. = -23 27 39.3 LONG. = 104 19 21.3 RAD. = 1737994.8	1.5 1.6 16.2
61605	X = -442773 Y = 1607666 Z = -496528	12 16 12	LAT. = -16 34 53.9 LONG. = 105 23 53.9 RAD. = 1739878.5	1.4 1.5 16.6
51455	X = -439376 Y = 1597935 Z = -528639	17 23 15	LAT. = -17 41 31.3 LONG. = 105 22 27.8 RAD. = 1739513.4	2.1 1.8 21.6
61484	X = -444880 Y = 1593038 Z = -533965	12 15 12	LAT. = -17 53 30.6 LONG. = 105 36 11.5 RAD. = 1738047.2	1.4 1.5 15.6
61480	X = -425644 Y = 1580707 Z = -585566	13 17 13	LAT. = -19 35 53.0 LONG. = 105 3 6.2 RAD. = 1739009.7	1.5 1.6 17.5
70409	X = -422084 Y = 1573692 Z = -607743	15 21 14	LAT. = -20 27 20.9 LONG. = 105 0 50.8 RAD. = 1738968.8	1.7 1.8 21.4
80745	X = -433754 Y = 1567611 Z = -613771	15 20 23	LAT. = -20 40 27.0 LONG. = 105 27 59.8 RAD. = 1738465.0	2.3 2.0 22.8
70409	X = -444500 Y = 1563197 Z = -617103	14 18 16	LAT. = -20 47 33.4 LONG. = 105 52 23.8 RAD. = 1738385.0	1.7 1.7 20.5
D0627	X = -416723 Y = 1539201 Z = -692737	13 18 16	LAT. = -23 28 52.3 LONG. = 105 8 56.7 RAD. = 1738586.1	1.6 1.7 19.3
7094E	X = -461740 Y = 1587417 Z = -530334	16 20 22	LAT. = -17 47 8.8 LONG. = 106 13 6.3 RAD. = 1736188.4	2.2 2.1 22.2
61455	X = -470699 Y = 1563474 Z = -597450	13 18 13	LAT. = -20 5 52.5 LONG. = 106 45 17.7 RAD. = 1738665.0	1.6 1.6 17.8

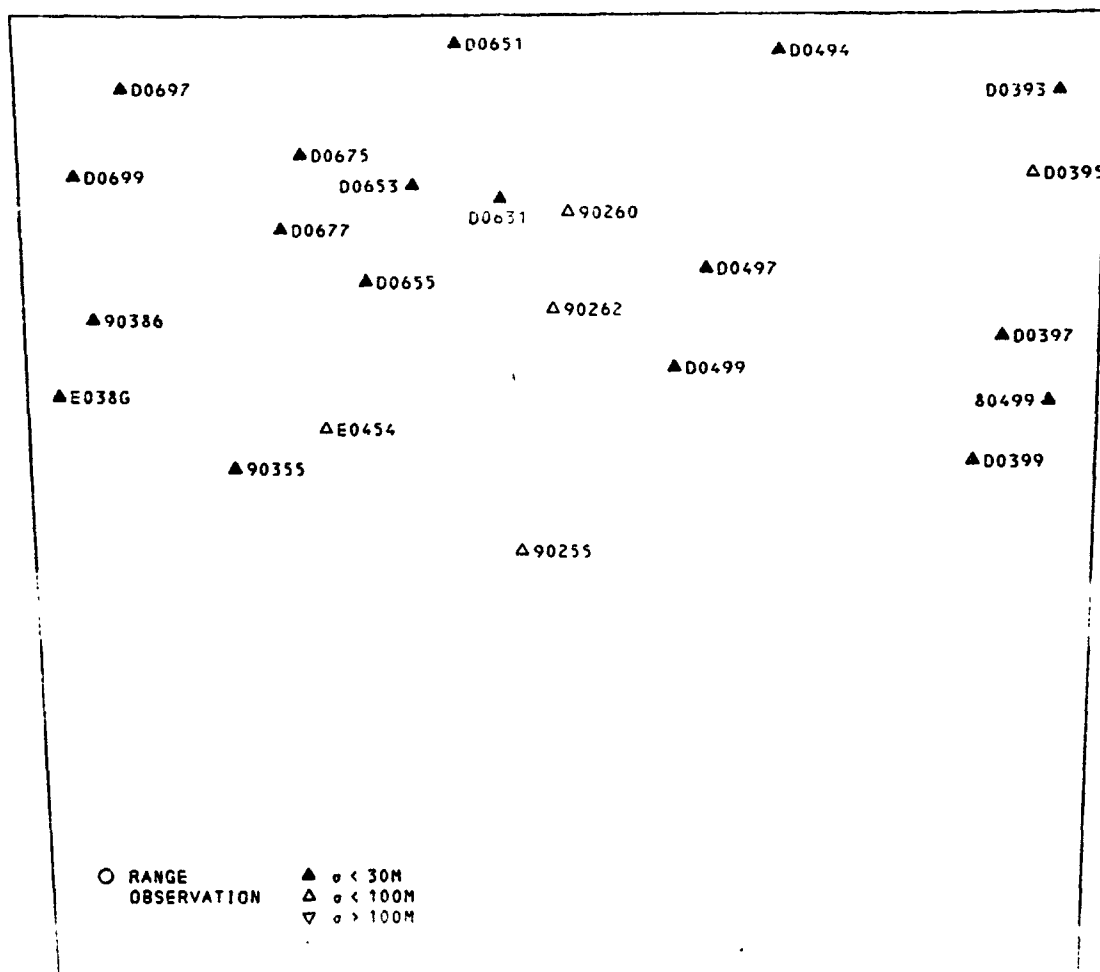
TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70799	X = -458184 Y = 1529770 Z = -685418	13 16 13	LAT. = -23 13 47.0 LONG. = 106 40 24.9 RAD. = 1737793.3	1.5 1.6 15.7
61448	X = -513251 Y = 1579749 Z = -505502	12 15 11	LAT. = -16 55 35.7 LONG. = 107 59 55.2 RAD. = 1736250.1	1.3 1.5 15.0
61439	X = -499476 Y = 1573593 Z = -536329	12 15 11	LAT. = -17 59 48.6 LONG. = 107 36 36.1 RAD. = 1735892.0	1.4 1.5 15.0
61451	X = -488627 Y = 1570343 Z = -555241	12 15 12	LAT. = -18 39 19.3 LONG. = 107 17 2.5 RAD. = 1735807.0	1.4 1.5 15.2
61433	X = -453803 Y = 1551907 Z = -607971	14 17 13	LAT. = -20 28 16.9 LONG. = 107 39 2.2 RAD. = 1738357.3	1.5 1.7 17.6
70795	X = -487076 Y = 1544404 Z = -632335	17 21 15	LAT. = -21 19 25.7 LONG. = 107 32 4.7 RAD. = 1738693.5	3.1 2.6 36.3
70797	X = -472281 Y = 1535997 Z = -661558	13 16 13	LAT. = -22 22 33.8 LONG. = 107 5 28.9 RAD. = 1737813.3	1.6 1.7 16.0
70783	X = -485278 Y = 1513667 Z = -690398	14 17 14	LAT. = -23 24 51.9 LONG. = 107 43 15.2 RAD. = 1737331.3	1.6 1.8 18.2
61418	X = -526042 Y = 1559681 Z = -551300	13 15 12	LAT. = -18 31 2.5 LONG. = 108 38 16.7 RAD. = 1735873.4	1.4 1.6 15.8
61299	X = -526076 Y = 1541699 Z = -612149	14 17 13	LAT. = -20 35 43.8 LONG. = 108 50 28.5 RAD. = 1740206.4	1.5 1.7 17.6
70784	X = -510529 Y = 1534171 Z = -640336	14 17 15	LAT. = -21 36 21.0 LONG. = 108 23 57.3 RAD. = 1739007.1	1.6 1.7 13.1

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TERRAIN POINTS ON MAP SHEET 100B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20899	X = -559840	16	LAT. = -18 45 40.2	1.9
	Y = 1545720	19	LONG. = 109 54 35.0	1.8
	Z = -558413	13	RAD. = 1736230.8	18.6
61295	X = -543462	16	LAT. = -18 58 54.3	1.7
	Y = 1548863	22	LONG. = 109 20 5.5	1.9
	Z = -564608	14	RAD. = 1735831.7	23.0
70751	X = -549861	14	LAT. = -21 59 18.4	1.6
	Y = 1516634	17	LONG. = 109 55 41.9	1.8
	Z = -651411	15	RAD. = 1739788.0	17.9
70752	X = -540372	13	LAT. = -22 56 31.6	1.5
	Y = 1505813	16	LONG. = 109 44 27.2	1.7
	Z = -677183	13	RAD. = 1737254.1	16.2
70754	X = -532895	14	LAT. = -23 40 25.4	1.7
	Y = 1498860	18	LONG. = 109 34 19.3	1.8
	Z = -697430	14	RAD. = 1736942.3	18.3



MAP SHEET 1000

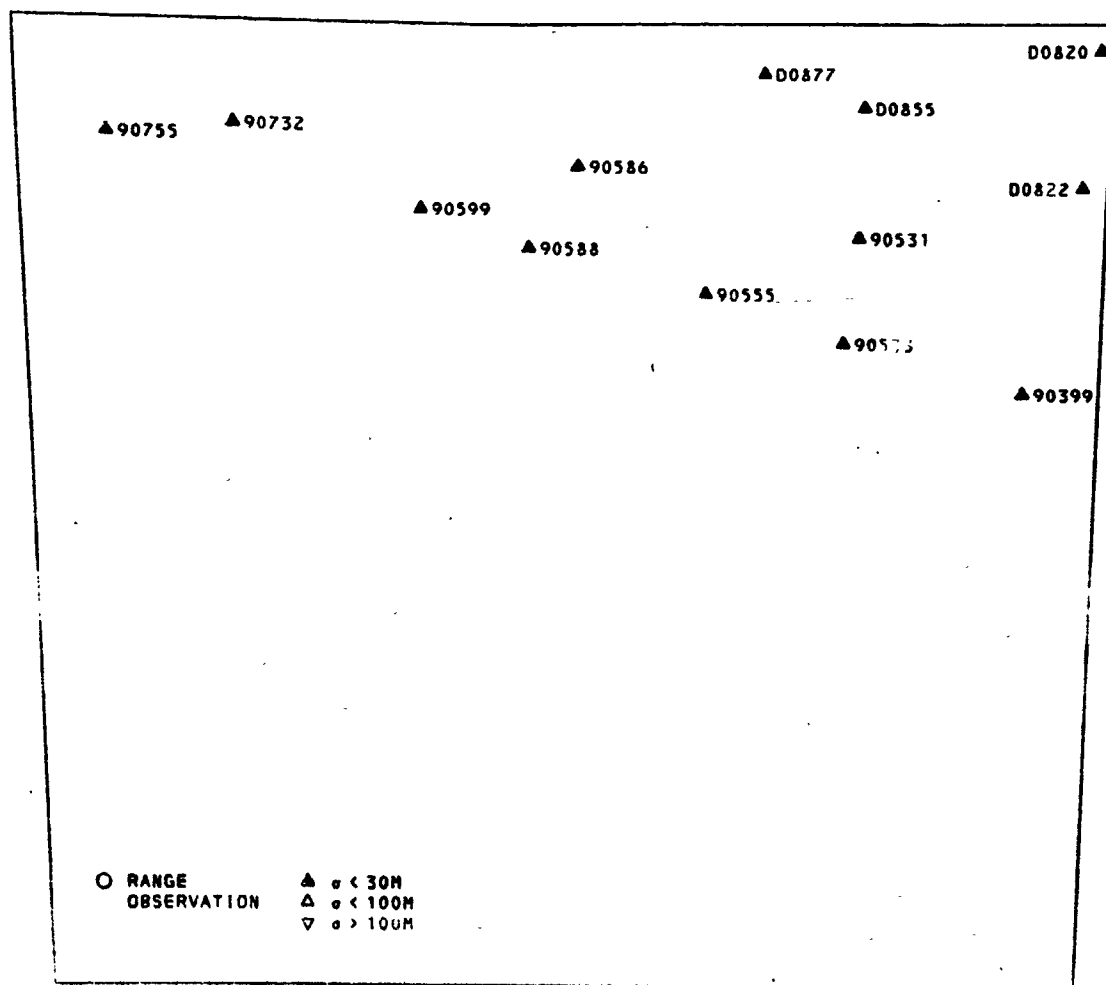
A-550

TERRAIN POINTS ON MAP SHEET 100C

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
D0697	X = -300393 Y = 1549707 Z = -722974	12 17 13	LAT. = -24 36 27.7 LONG. = 100 58 12.3 RAD. = 1736237.1	1.6 1.5 16.3
D0699	X = -286297 Y = 1543652 Z = -743457	12 17 13	LAT. = -25 20 23.0 LONG. = 100 30 25.6 RAD. = 1737111.7	1.7 1.6 17.0
90386	X = -286379 Y = 1524934 Z = -774660	14 22 15	LAT. = -26 31 53.3 LONG. = 100 38 10.1 RAD. = 1734224.6	2.0 1.8 20.7
E038G	X = -275802 Y = 1518451 Z = -791836	17 25 17	LAT. = -27 9 41.4 LONG. = 100 17 40.7 RAD. = 1734579.1	2.5 2.2 22.3
90355	X = -317607 Y = 1503406 Z = -809072	14 23 15	LAT. = -27 46 6.5 LONG. = 101 55 43.8 RAD. = 1736577.6	2.3 1.8 20.5
D0675	X = -343343 Y = 1533654 Z = -733309	12 17 13	LAT. = -25 9 47.0 LONG. = 102 37 8.0 RAD. = 1736398.7	1.6 1.6 17.1
D0677	X = -336299 Y = 1526884 Z = -755333	13 19 14	LAT. = -25 47 8.4 LONG. = 102 25 16.3 RAD. = 1736375.6	1.7 1.6 18.3
E0454	X = -341402 Y = 1502775 Z = -800186	16 41 18	LAT. = -27 26 24.7 LONG. = 102 47 57.4 RAD. = 1736429.3	3.4 2.2 34.8
D0653	X = -370660 Y = 1525658 Z = -746075	12 17 13	LAT. = -25 25 .6 LONG. = 103 39 19.8 RAD. = 1738289.5	1.6 1.6 16.2
D0655	X = -356050 Y = 1516837 Z = -767299	13 19 14	LAT. = -26 13 7.7 LONG. = 103 12 36.0 RAD. = 1736753.9	1.8 1.7 18.0
D0651	X = -385073 Y = 1536747 Z = -713258	12 17 13	LAT. = -24 14 16.9 LONG. = 104 4 2.3 RAD. = 1737414.6	1.6 1.6 16.8
D0631	X = -391491 Y = 1517361 Z = -748569	14 21 14	LAT. = -25 32 .5 LONG. = 104 28 2.1 RAD. = 1736664.4	1.8 1.8 20.3

TERRAIN POINTS ON MAP SHEET 100C (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90262	X = -401111 Y = 1502059 Z = -773401	17 36 19	LAT. = -26 26 54.9 LONG. = 104 57 5.1 RAD. = 1736438.9	2.2 2.5 35.7
90255	X = -385679 Y = 1476536 Z = -827119	18 46 21	LAT. = -28 27 26.3 LONG. = 104 38 20.0 RAD. = 1735808.9	3.9 2.4 38.1
90260	X = -408107 Y = 1512245 Z = -751921	17 33 22	LAT. = -25 38 35.7 LONG. = 105 6 9.2 RAD. = 1737475.6	2.0 2.5 34.7
D0497	X = -439954 Y = 1496802 Z = -764775	15 19 14	LAT. = -26 6 51.2 LONG. = 106 22 46.6 RAD. = 1737485.4	1.9 1.8 18.4
D0499	X = -429077 Y = 1487828 Z = -786822	17 25 16	LAT. = -26 56 11.5 LONG. = 106 5 13.6 RAD. = 1736901.9	2.4 2.1 22.4
D0494	X = -464633 Y = 1519903 Z = -716047	14 10 14	LAT. = -24 18 17.2 LONG. = 107 2 25.9 RAD. = 1739707.8	1.6 1.7 18.1
D0399	X = -496625 Y = 1453346 Z = -806805	18 25 16	LAT. = -27 42 48.7 LONG. = 108 51 57.2 RAD. = 1734873.5	2.5 2.1 23.4
D0393	X = -529723 Y = 1488692 Z = -724810	14 18 15	LAT. = -24 38 27.8 LONG. = 109 35 13.7 RAD. = 1738436.5	1.6 1.8 18.8
D0395	X = -520993 Y = 1482981 Z = -744052	26 28 22	LAT. = -25 19 52.5 LONG. = 109 21 25.7 RAD. = 1739046.0	2.0 2.7 35.6
D0397	X = -507546 Y = 1464691 Z = -778939	15 20 14	LAT. = -26 40 45.9 LONG. = 109 6 44.2 RAD. = 1734839.6	1.9 1.9 19.4
D0499	X = -516362 Y = 1453884 Z = -793448	19 26 16	LAT. = -27 12 55.8 LONG. = 109 33 10.9 RAD. = 1734925.8	2.5 2.2 24.2



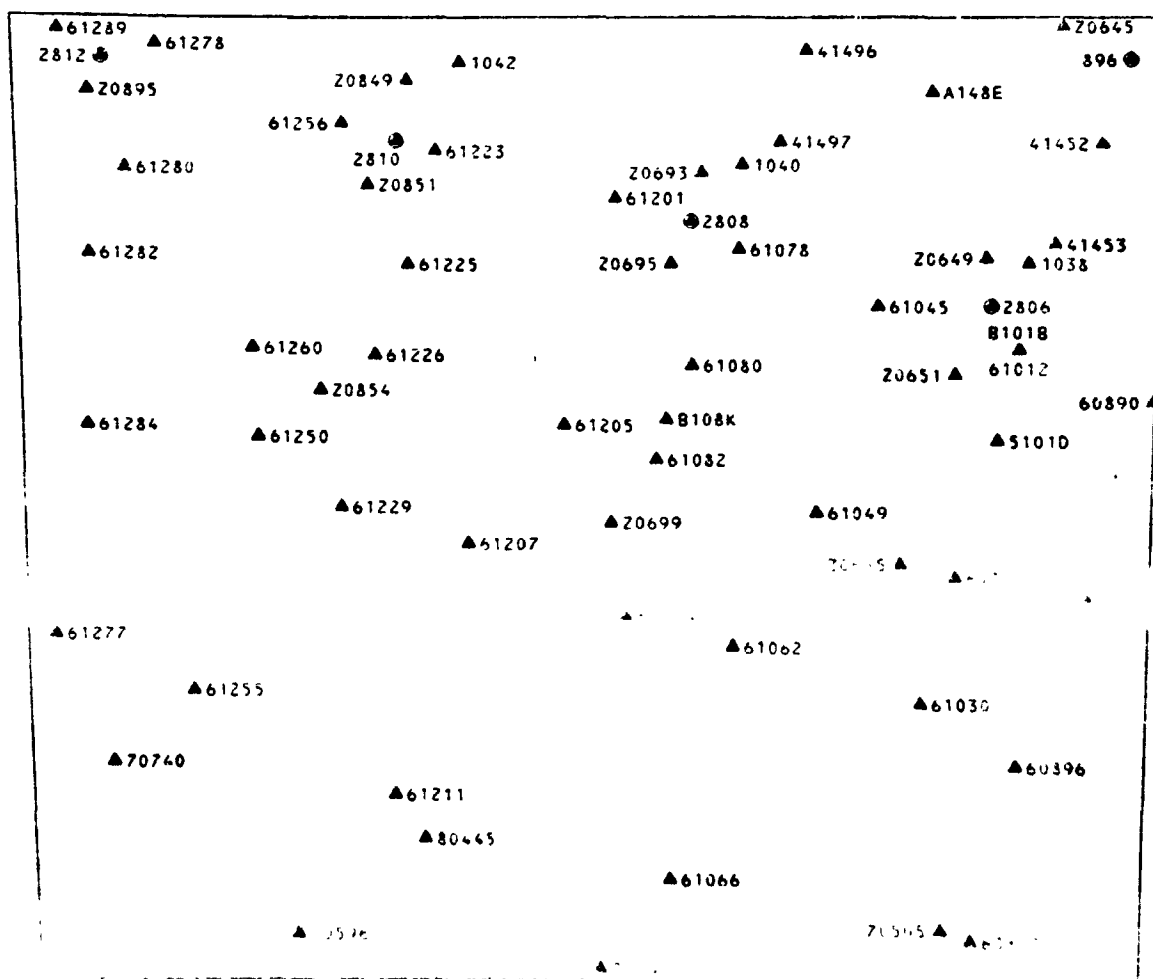
TERRAIN POINTS ON MAP SHEET 1000

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90755	X = -22180 Y = 1575724 Z = -732652	14 24 15	LAT. = -24 56 4.1 LONG. = 90 48 23.2 RAD. = 1737866.1	2.2 1.9 21.5
90732	X = -53468 Y = 1573209 Z = -728905	13 22 14	LAT. = -24 50 48.5 LONG. = 91 56 47.5 RAD. = 1734689.6	2.0 1.7 20.3
90599	X = -100047 Y = 1564915 Z = -749398	13 22 14	LAT. = -25 32 35.1 LONG. = 93 39 28.9 RAD. = 1737977.8	2.1 1.6 19.4
90588	X = -127132 Y = 1558089 Z = -758050	13 22 14	LAT. = -25 52 9.8 LONG. = 94 39 52.9 RAD. = 1737366.9	2.1 1.7 19.9
90586	X = -140373 Y = 1566978 Z = -739916	13 21 14	LAT. = -25 11 17.0 LONG. = 95 7 8.4 RAD. = 1738562.7	1.9 1.6 19.6
90577	X = -188166 Y = 1557412 Z = -717771	13 21 14	LAT. = -24 24 57.4 LONG. = 96 51 51.0 RAD. = 1736440.6	1.8 1.7 19.1
90555	X = -171051 Y = 1546521 Z = -767164	13 22 14	LAT. = -26 14 44.4 LONG. = 96 18 41.3 RAD. = 1734798.5	2.1 1.7 20.2
00855	X = -213055 Y = 1563665 Z = -725706	12 17 13	LAT. = -24 41 44.4 LONG. = 97 45 32.4 RAD. = 1736976.9	1.6 1.5 16.6
90531	X = -210580 Y = 1557219 Z = -755570	13 21 14	LAT. = -25 46 43.2 LONG. = 97 44 31.4 RAD. = 1737357.1	1.9 1.6 19.8
90533	X = -205656 Y = 1539341 Z = -779523	17 27 15	LAT. = -26 39 14.2 LONG. = 97 36 34.7 RAD. = 1737676.5	2.4 2.0 24.6
00820	X = -272277 Y = 1560578 Z = -712589	12 17 13	LAT. = -24 13 9.6 LONG. = 99 53 43.8 RAD. = 1737043.5	1.6 1.5 16.7
00822	X = -266449 Y = 1546653 Z = -743743	12 19 14	LAT. = -25 21 21.2 LONG. = 99 46 28.8 RAD. = 1736745.6	1.7 1.6 18.7

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TERRAIN POINTS ON MAP SHEET 100D (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
90399	X = -249647	13	LAT. = -27 3 45.0	2.1
	Y = 1526193	22	LONG. = 99 17 23.6	1.7
	Z = -790095	15	RAD. = 1736617.4	19.9



RAI -
OBSERVATION

▲ 1.00M
— 0.500M
▼ 0.100M

MAP SHEET 101A

TERRAIN POINTS OF MAP SHEET 101A

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
61289	X = -582622 Y = 1566892 Z = -482753	13 18 16	LAT. = -16 6 27.4 LONG. = 110 23 48.5 RAD. = 1740014.0	1.6 1.7 19.0
2812	X = -592179 Y = 1561277 Z = -489358	14 14 12	LAT. = -16 20 2.0 LONG. = 110 46 16.7 RAD. = 1740038.7	1.4 1.7 14.2
20895	X = -587856 Y = 1560409 Z = -497311	14 18 12	LAT. = -16 36 24.7 LONG. = 110 38 34.8 RAD. = 1740048.6	1.4 1.7 17.9
61280	X = -594113 Y = 1551815 Z = -515926	13 15 11	LAT. = -17 14 56.3 LONG. = 110 56 57.7 RAD. = 1739908.2	1.3 1.5 15.4
61232	X = -582170 Y = 1547458 Z = -535817	14 16 12	LAT. = -17 57 23.5 LONG. = 110 37 .6 RAD. = 1738001.6	1.4 1.6 16.8
	X = -575995 Y = 1571703 Z = -571713	13 14 11	LAT. = -19 22 57.3 LONG. = 111 34 17.3 RAD. = 1737411.0	1.4 1.6 11.6
61277	X = -560959 Y = 1521605 Z = -626547	14 17 13	LAT. = -21 7 26.2 LONG. = 110 14 13.4 RAD. = 1738539.2	1.5 1.7 17.7
70740	X = -569820 Y = 1506390 Z = -656828	14 17 16	LAT. = -22 11 12.8 LONG. = 110 43 12.3 RAD. = 1739347.1	1.7 1.8 18.6
	X = -606466 Y = 1470417 Z = -486174	15 14 11	LAT. = -16 13 3.4 LONG. = 111 14 40.1 RAD. = 1740416.7	1.8 1.9 19.7
61255	X = -592046 Y = 1506105 Z = -640507	15 18 13	LAT. = -21 35 35.7 LONG. = 111 27 34.7 RAD. = 1740436.8	1.6 1.8 17.7
61236	X = -646687 Y = 1534506 Z = -505365	13 16 12	LAT. = -16 52 56.0 LONG. = 112 51 7.2 RAD. = 1740203.0	1.3 1.6 16.3
	X = -611433 Y = 1511333 Z = -539109	17 17 13	LAT. = -16 44 11.1 LONG. = 112 3 3.4 RAD. = 1739617.4	1.3 1.7 16.3

TERRAIN POINTS ON MAP SHEET 10 700 1000

POINT NO.	COORDINATE POSITION	STD DEVIATION	SPHERICAL POSITION	STD DEVIATION
20854	X = -632665 Y = 1516763 Z = -569066	16 19 13	LAT. = -19 5 57.8 LONG. = 112 38 30.4 RAD. = 1739158.3	1.8 1.8 18.6
61250	X = -616331 Y = 1519086 Z = -580056	13 18 13	LAT. = -19 29 7.4 LONG. = 112 5 1.1 RAD. = 1738951.1	1.5 1.8 17.6
61229	X = -632982 Y = 1504724 Z = -596468	16 19 13	LAT. = -20 4 17.4 LONG. = 112 48 53.0 RAD. = 1737997.3	1.6 1.8 19.0
70596	X = -605836 Y = 1473087 Z = -696536	14 17 14	LAT. = -23 31 11.4 LONG. = 112 21 21.2 RAD. = 1738443.0	1.6 1.9 17.6
1042	X = -675862 Y = 1525745 Z = -490408	16 21 14	LAT. = -16 22 37.1 LONG. = 113 53 31.2 RAD. = 1739306.6	1.6 1.9 22.1
	X = -662868 Y = 1522241 Z = -494681	14 15 13	LAT. = -16 31 30.1 LONG. = 113 55 30.1 RAD. = 1739170.0	1.5 1.8 18.0
2810	X = -658702 Y = 1527210 Z = -509433	14 15 13	LAT. = -17 1 46.6 LONG. = 113 19 51.8 RAD. = 1739476.8	1.4 1.8 14.6
61223	X = -667088 Y = 1521535 Z = -511581	13 15 12	LAT. = -17 6 54.8 LONG. = 113 40 26.8 RAD. = 1738329.6	1.3 1.7 15.0
	X = -650497 Y = 1527260 Z = -520331	15 13 12	LAT. = -17 23 43.6 LONG. = 113 25 43.6 RAD. = 1739446.1	1.5 1.7 17.3
61225	X = -657257 Y = 1516785 Z = -530865	14 16 12	LAT. = -18 3 17.7 LONG. = 113 25 41.4 RAD. = 1738677.5	1.4 1.7 16.6
61226	X = -646943 Y = 1515548 Z = -560947	14 17 12	LAT. = -18 18 32.0 LONG. = 113 7 47.6 RAD. = 1739843.2	1.4 1.7 17.6
	X = -600171 Y = 1520081 Z = -609521	13 15 12	LAT. = -20 22 34.9 LONG. = 113 54 43.2 RAD. = 1739185.4	1.4 1.7 15.2

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

POINTS ON MAP SHEET 1014 (CONTINUED)

POINT	CARTESIAN POSITION	SVC DEL	SPHERICAL POSITION	STD ERR
61211	X = -634274 Y = 1475941 Z = -664261	14 17 13	LAT. = -22 27 53.3 LONG. = 113 15 18.8 RAD. = 1738375.6	1.6 1.8 16.4
614-5	X = -639692 Y = 1469149 Z = -674599	16 22 25	LAT. = -22 49 51.8 LONG. = 113 31 44.7 RAD. = 1738588.1	2.4 2.3 25.4
61205	X = -688350 Y = 1489531 Z = -577398	14 17 12	LAT. = -19 23 9.5 LONG. = 114 48 10.2 RAD. = 1739515.9	1.4 1.8 16.8
61201	X = -707515 Y = 1499849 Z = -522856	14 15 12	LAT. = -17 29 57.7 LONG. = 115 15 15.8 RAD. = 1738822.4	1.4 1.7 15.9
2893	X = -724167 Y = 1489734 Z = -528381	15 15 13	LAT. = -17 41 31.8 LONG. = 115 55 28.6 RAD. = 1738652.1	1.5 1.9 15.2
61011	X = -718017 Y = 1488745 Z = -553417	16 18 13	LAT. = -18 2 35.0 LONG. = 115 44 52.2 RAD. = 1738551.5	1.5 1.9 19.0
61020	X = -720124 Y = 1480508 Z = -563263	15 17 14	LAT. = -18 53 14.0 LONG. = 115 56 18.3 RAD. = 1740042.8	1.5 1.9 18.7
6103A	X = -712011 Y = 1478681 Z = -575869	19 22 14	LAT. = -19 20 7.3 LONG. = 115 42 41.9 RAD. = 1739276.2	2.1 2.1 22.4
6103B	X = -708302 Y = 1478314 Z = -585498	14 15 15	LAT. = -19 40 10.3 LONG. = 115 37 12.6 RAD. = 1739475.8	1.4 1.8 16.2
20699	X = -695589 Y = 1476412 Z = -600324	17 20 14	LAT. = -20 11 42.3 LONG. = 115 13 36.4 RAD. = 1738972.0	1.9 1.9 19.1
61014	X = -694763 Y = 1466083 Z = -602116	14 16 12	LAT. = -20 58 24.4 LONG. = 115 20 48.3 RAD. = 1738068.8	1.5 1.8 15.9
61015	X = -694119 Y = 1466707 Z = -603115	14 16 13	LAT. = -20 59 27.3 LONG. = 115 42 42.7 RAD. = 1737053.1	1.5 1.9 15.4

TERRAIN POINTS ON MAP SHEET 401A (CONTINUED)

POINT NO.	CARTESIAN POSITION:	STD DEV	SPHERICAL POSITION	STD DEV
70540	X = -674459 Y = 1439207 Z = -704248	16 19 15	LAT. = -23 53 51.3 LONG. = 115 6 33.5 RAD. = 1738441.0	1.7 2.1 19.1
41496	X = -756670 Y = 1490083 Z = -487952	15 15 13	LAT. = -16 16 35.9 LONG. = 116 55 17.9 RAD. = 1740974.8	1.4 1.8 16.0
41497	X = -747732 Y = 1486793 Z = -509785	14 16 12	LAT. = -17 1 51.0 LONG. = 116 41 54.8 RAD. = 1740556.7	1.4 1.8 16.2
1040	X = -738141 Y = 1489084 Z = -515210	17 21 14	LAT. = -17 13 23.5 LONG. = 116 22 3.7 RAD. = 1740018.9	1.6 2.0 22.3
20693	X = -728122 Y = 1492159 Z = -516803	15 18 14	LAT. = -17 17 22.4 LONG. = 116 0 38.8 RAD. = 1738903.2	1.5 1.9 19.0
61072	X = -734844 Y = 1483393 Z = -535659	14 15 12	LAT. = -17 55 33.0 LONG. = 115 20 42.6 RAD. = 1740363.7	1.3 1.7 15.1
61062	X = -718078 Y = 1452123 Z = -629340	15 16 13	LAT. = -21 13 50.2 LONG. = 116 18 45.0 RAD. = 1737920.0	1.5 1.9 16.4
61045	X = -763780 Y = 1463071 Z = -548833	14 15 12	LAT. = -18 23 38.2 LONG. = 117 33 58.7 RAD. = 1739296.8	1.3 1.8 15.5
61049	X = -742469 Y = 1453831 Z = -597651	16 18 13	LAT. = -20 6 29.0 LONG. = 117 3 12.1 RAD. = 1738411.5	1.5 1.6 19.3
20655	X = -758840 Y = 1439582 Z = -609688	18 19 13	LAT. = -20 32 19.0 LONG. = 117 47 41.5 RAD. = 1737801.2	1.8 2.0 19.4
61030	X = -757522 Y = 1425178 Z = -642104	15 16 13	LAT. = -21 41 39.9 LONG. = 117 59 30.8 RAD. = 1737029.1	1.5 1.9 16.3
A143E	X = -783558 Y = 1472778 Z = -497902	21 22 13	LAT. = -16 37 5.5 LONG. = 118 3 51.1 RAD. = 1740960.6	2.1 2.1 22.5

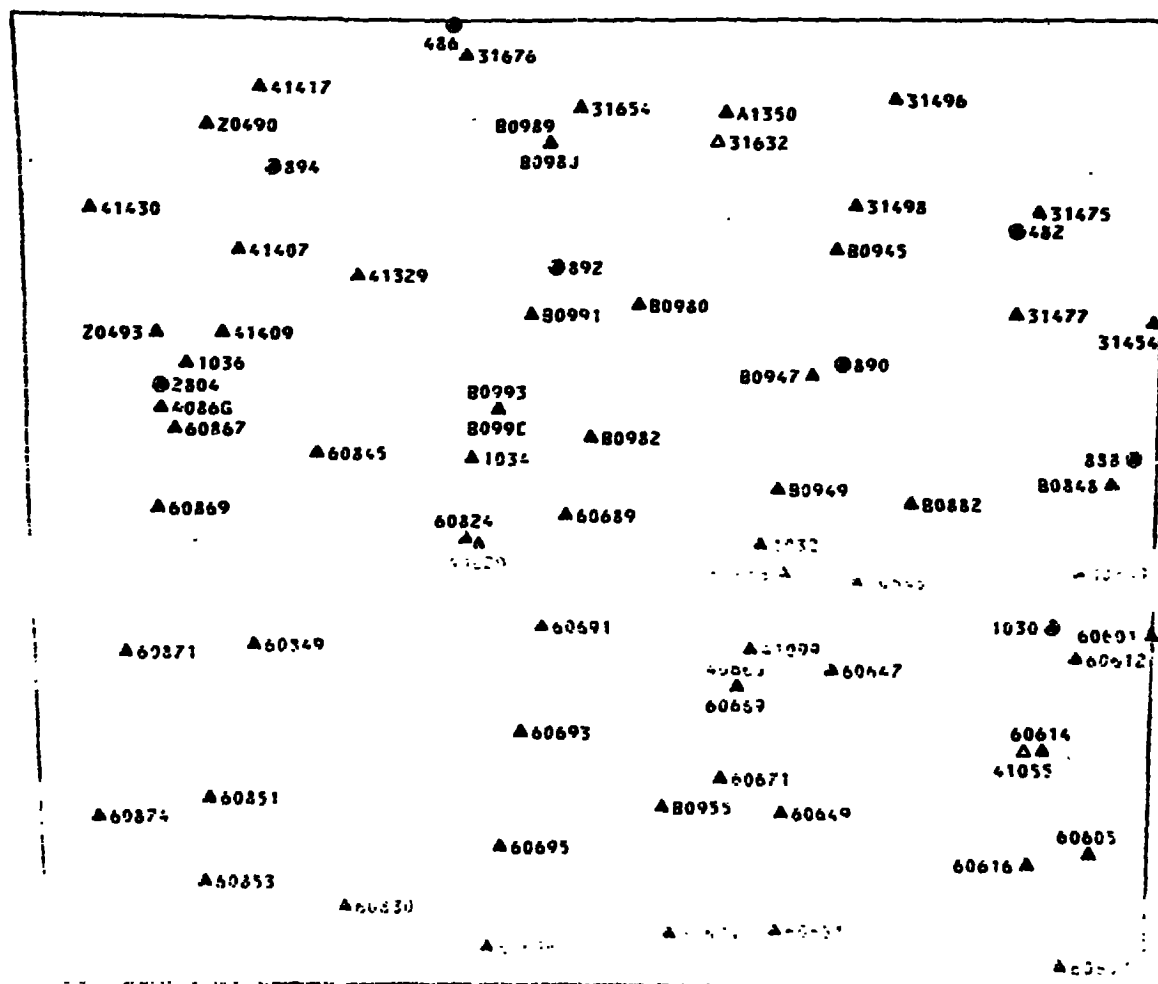
TERRAIN POINTS ON MAP SHEET 101A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
20649	X = -790065 Y = 1454415 Z = -537577	16 18 14	LAT. = -17 59 35.9 LONG. = 118 30 41.9 RAD. = 1740262.5	1.5 2.0 19.0
1033	X = -799618 Y = 1449427 Z = -538879	18 21 15	LAT. = -18 1 54.8 LONG. = 118 53 4.5 RAD. = 1740867.4	1.6 2.1 22.2
2806	X = -789285 Y = 1450035 Z = -548799	15 15 13	LAT. = -18 23 15.8 LONG. = 118 33 37.4 RAD. = 1739755.9	1.5 2.0 15.3
B1018	X = -794165 Y = 1443766 Z = -559445	30 28 17	LAT. = -18 45 11.4 LONG. = 118 48 49.2 RAD. = 1740154.0	1.8 2.7 36.2
61012	X = -794371 Y = 1443693 Z = -559467	21 22 15	LAT. = -18 45 12.5 LONG. = 118 49 15.2 RAD. = 1740194.8	2.1 2.2 22.1
	X = -779290 Y = -555452 Z = -555452	16 13 15	LAT. = -18 57 27.8 LONG. = 118 13 21.1 RAD. = 1740545.0	1.5 2.0 18.9
51010	X = -786170 Y = 1439624 Z = -581020	15 18 14	LAT. = -19 30 17.9 LONG. = 118 38 19.3 RAD. = 1740161.8	1.5 1.9 18.9
61016	X = -770743 Y = 1432266 Z = -612828	15 17 12	LAT. = -20 38 43.8 LONG. = 118 17 9.4 RAD. = 1738099.7	1.4 1.9 16.6
	X = -776194 Y = -656106 Z = -656106	15 16 13	LAT. = -22 12 34.7 LONG. = 118 51 13.9 RAD. = 1737523.4	1.4 1.9 15.9
70505	X = -752338 Y = 1403579 Z = -694779	17 21 17	LAT. = -23 34 14.9 LONG. = 118 11 31.0 RAD. = 1737459.2	1.8 2.2 22.9
60399	X = -758593 Y = 1398795 Z = -697279	17 18 14	LAT. = -23 39 46.0 LONG. = 118 28 18.5 RAD. = 1737322.7	1.8 2.1 17.9
20649	X = -7814244 Y = -460395 Z = -4611964	15 18 17	LAT. = -16 4 29.3 LONG. = 119 7 55.3 RAD. = 1740520.5	1.8 2.0 19.3

TERRAIN POINTS ON MAP SHEET 1014 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
896	X = -828083 Y = 1450633 Z = -489953	16 15 14	LAT. = -16 20 51.6 LONG. = 119 43 10.4 RAD. = 1740721.0	1.6 2.1 14.9
41452	X = -819355 Y = 1448532 Z = -510048	15 16 12	LAT. = -17 2 21.5 LONG. = 119 29 40.1 RAD. = 1740614.2	1.3 1.8 15.9
41453	X = -805981 Y = 1447801 Z = -534321	14 15 12	LAT. = -17 52 20.4 LONG. = 119 6 15.8 RAD. = 1741043.8	1.3 1.8 15.6
60890	X = -819595 Y = 1420258 Z = -570337	15 16 12	LAT. = -19 10 42.2 LONG. = 119 59 17.4 RAD. = 1736131.9	1.4 1.9 16.2
60893	X = -798641 Y = 1415124 Z = -617298	15 17 12	LAT. = -20 48 5.0 LONG. = 119 26 19.3 RAD. = 1738234.6	1.4 1.9 17.0

A-552



RANGE
OBSERVATION

▲ 0 - 50M
△ 50 - 100M
▽ 100M

MAP SHEET 101B

TERRAIN POINTS ON MAP SHEET 101B

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
41430	X = -842960	15	LAT. = -17 34 22.8	1.4
	Y = 1425903	16	LONG. = 120 35 26.0	1.9
	Z = -524574	12	RAD. = 1737521.3	16.7
60871	X = -828856	15	LAT. = -21 15 6.4	1.4
	Y = 1390011	16	LONG. = 120 48 26.5	1.9
	Z = -629409	12	RAD. = 1736458.6	16.0
60874	X = -814013	15	LAT. = -22 36 38.6	1.5
	Y = 1381050	17	LONG. = 120 30 56.8	2.0
	Z = -667657	13	RAD. = 1736572.3	16.6
20490	X = -871754	16	LAT. = -16 52 27.5	2.3
	Y = 1415428	28	LONG. = 121 37 43.2	2.6
	Z = -504245	24	RAD. = 1737139.9	28.7
41407	X = -872583	15	LAT. = -17 54 55.3	1.3
	Y = 1402696	15	LONG. = 121 53 5.1	1.9
	Z = -534056	12	RAD. = 1736137.4	15.4
41409	X = -865389	15	LAT. = -18 36 17.0	1.4
	Y = 1399475	16	LONG. = 121 43 52.6	2.0
	Z = -553393	12	RAD. = 1736153.9	16.1
20493	X = -851056	17	LAT. = 18 36 19.1	1.6
	Y = 1408088	29	LONG. = 121 6 56.4	2.4
	Z = -553874	16	RAD. = 1736025.3	28.9
1036	X = -855933	19	LAT. = -18 51 22.6	1.6
	Y = 1402251	21	LONG. = 121 23 59.5	2.2
	Z = -561070	15	RAD. = 1736009.0	22.8
2304	X = -849505	16	LAT. = -19 2 20.4	1.6
	Y = 1404127	17	LONG. = 121 10 27.0	2.1
	Z = -566329	14	RAD. = 1736075.4	15.8
40860	X = -848473	22	LAT. = -19 13 42.1	2.0
	Y = 1402552	22	LONG. = 121 10 18.5	2.3
	Z = -571749	15	RAD. = 1736075.2	22.9
60867	X = -850585	15	LAT. = -19 34 7.1	1.3
	Y = 1399370	16	LONG. = 121 7 33.6	1.9
	Z = -576753	12	RAD. = 1736196.0	16.7
60869	X = -843360	15	LAT. = -20 5 36.3	1.4
	Y = 1396342	16	LONG. = 121 7 51.8	1.9
	Z = -595672	12	RAD. = 1736620.6	16.7

TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60849	X = -856831 Y = 1373963 Z = -627822	16 17 12	LAT. = -21 11 33.5 LONG. = 121 56 54.5 RAD. = 1736690.7	1.4 2.0 17.2
60851	X = -839090 Y = 1368166 Z = -663635	15 16 13	LAT. = -22 27 51.9 LONG. = 121 31 14.2 RAD. = 1736767.7	1.5 2.0 16.3
60853	X = -833688 Y = 1362696 Z = -683211	15 16 13	LAT. = -23 9 19.1 LONG. = 121 27 28.8 RAD. = 1737455.8	1.5 2.0 16.2
41417	X = -885154 Y = 1411082 Z = -495363	15 16 13	LAT. = -16 33 42.2 LONG. = 122 5 58.3 RAD. = 1737824.7	1.4 1.9 16.7
894	X = -883632 Y = 1403612 Z = -514107	17 16 14	LAT. = -17 13 17.9 LONG. = 122 11 31.6 RAD. = 1736444.3	1.6 2.2 15.2
	X = -897008 Y = 1383391 Z = -546193	15 15 12	LAT. = -18 7 42.7 LONG. = 122 55 52.3 RAD. = 1736119.7	1.3 1.2 10.0
60845	X = -880103 Y = 1378980 Z = -582605	15 16 13	LAT. = -19 36 9.7 LONG. = 122 32 49.7 RAD. = 1736546.9	1.1 2.0 16.9
60830	X = -862461 Y = 1341795 Z = -688848	16 18 13	LAT. = -23 21 27.3 LONG. = 122 43 53.6 RAD. = 1737458.8	1.6 2.1 17.8
31676	X = -929548 Y = 1389007 Z = -480327	17 16 14	LAT. = -16 2 2.3 LONG. = 123 47 26.7 RAD. = 1739013.5	1.6 2.2 15.5
1034	X = -930210 Y = 1384329 Z = -487506	17 18 13	LAT. = -16 17 37.0 LONG. = 123 53 57.9 RAD. = 1737618.6	1.4 2.0 19.0
	X = -913020 Y = 1357314 Z = -583927	19 21 15	LAT. = -19 38 40.8 LONG. = 123 55 38.6 RAD. = 1736916.1	1.6 2.3 22.8
	X = -907793 Y = 1352642 Z = -602959	19 19 14	LAT. = -20 18 40.4 LONG. = 123 52 .3 RAD. = 1737036.7	1.5 2.1 18.1

TEPRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
40820	X = -910215 Y = 1350354 Z = -604190	22 22 15	LAT. = -20 21 20.1 LONG. = 123 58 55.9 RAD. = 1736949.5	2.1 2.3 23.0
31654	X = -952295 Y = 1364767 Z = -500406	17 17 12	LAT. = -16 44 8.6 LONG. = 124 54 22.4 RAD. = 1737774.3	1.4 2.1 17.7
8098	X = -943605 Y = 1366082 Z = -508523	16 17 13	LAT. = -17 1 44.6 LONG. = 124 38 3.6 RAD. = 1736423.3	1.4 2.1 16.6
809	X = -943618 Y = 1366078 Z = -508527	18 21 22	LAT. = -17 1 45.0 LONG. = 124 38 5.2 RAD. = 1736428.5	2.2 2.3 23.1
809	X = -939821 Y = 1357742 Z = -538323	17 16 14	LAT. = -18 3 22.1 LONG. = 124 41 26.7 RAD. = 1736813.1	1.6 2.3 15.3
	X = -933351 Y = -538323 Z = -538323	15 15 12	LAT. = -18 27 2.4 LONG. = 123 27 54.3 RAD. = 1736821.5	1.3 2.0 15.7
80993	X = -920814 Y = 1356671 Z = -572318	17 19 13	LAT. = -19 14 29.3 LONG. = 124 9 57.3 RAD. = 1736664.1	1.5 2.1 19.7
8099C	X = -920826 Y = 1356686 Z = -572338	19 21 16	LAT. = -19 14 30.9 LONG. = 124 9 57.6 RAD. = 1736688.7	1.7 2.3 22.8
8099D	X = -939255 Y = 1347268 Z = -579001	16 16 17	LAT. = -19 28 2.6 LONG. = 124 59 12.6 RAD. = 1737331.7	1.4 2.1 16.7
60689	X = -930186 Y = 1340246 Z = -597409	16 16 13	LAT. = -20 6 44.3 LONG. = 124 45 44.1 RAD. = 1737355.5	1.4 2.1 16.7
60691	X = -919531 Y = 1335646 Z = -623632	16 16 13	LAT. = -21 2 9.7 LONG. = 124 32 44.3 RAD. = 1737755.6	1.4 2.1 17.3
60697	X = -939175 Y = 1339233 Z = -648143	17 17 13	LAT. = -21 54 44.8 LONG. = 124 21 1.2 RAD. = 1736765.9	1.4 2.1 18.3



TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60695	X = -898413 Y = 1324198 Z = -674773	16 17 13	LAT. = -22 51 51.1 LONG. = 124 9 18.9 RAD. = 1736653.7	1.5 2.1 17.1
60696	X = -890704 Y = 1319352 Z = -698480	16 17 13	LAT. = -23 41 27.3 LONG. = 124 1 24.8 RAD. = 1738365.7	1.5 2.1 17.0
B0980	X = -955294 Y = 1343674 Z = -547442	16 16 13	LAT. = -18 22 8.4 LONG. = 125 24 40.2 RAD. = 1737164.2	1.4 2.1 16.9
B0955	X = -935091 Y = 1304996 Z = -665954	22 21 15	LAT. = -22 31 45.6 LONG. = 125 37 24.2 RAD. = 1738074.7	2.1 2.4 22.6
60674	X = -930019 Y = 1294541 Z = -695381	17 18 13	LAT. = -23 34 10.1 LONG. = 125 41 38.6 RAD. = 1739059.2	1.5 2.2 17.7
60675	X = -983305 Y = 1344151 Z = -502140	20 21 15	LAT. = -16 46 32.3 LONG. = 126 10 44.2 RAD. = 1739780.3	1.6 2.3 22.9
31632	X = -979837 Y = 1343541 Z = -508868	33 25 20	LAT. = -17 0 53.7 LONG. = 126 6 11.0 RAD. = 1739002.4	1.8 2.8 37.3
B0947	X = -987292 Y = 1312489 Z = -563965	16 16 13	LAT. = -18 57 6.2 LONG. = 126 57 5.6 RAD. = 1736499.4	1.4 2.1 16.6
60656	X = -974556 Y = 1309733 Z = -590670	16 16 12	LAT. = -19 53 26.6 LONG. = 126 39 8.9 RAD. = 1736102.2	1.3 2.1 16.1
11032	X = -968270 Y = 1308431 Z = -603777	20 21 15	LAT. = -20 21 4.6 LONG. = 126 30 3.3 RAD. = 1736112.3	1.7 2.4 22.9
60650	X = -971497 Y = 1302855 Z = -610399	16 16 12	LAT. = -20 35 7.9 LONG. = 126 42 38.6 RAD. = 1736036.6	1.3 2.1 16.1
60651	X = -960625 Y = 1302462 Z = -628283	25 22 15	LAT. = -21 15 .8 LONG. = 126 24 37.3 RAD. = 1736070.6	2.2 2.4 23.2



TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
4066J	X = -957259 Y = 1303230 Z = -637844	29 40 22	LAT. = -21 31 37.4 LONG. = 126 17 53.9 RAD. = 1738274.7	3.9 2.5 37.3
60669	X = -957246 Y = 1305184 Z = -637964	16 17 13	LAT. = -21 31 52.7 LONG. = 126 17 56.2 RAD. = 1738277.2	1.4 2.1 17.3
60671	X = -949599 Y = 1299765 Z = -659910	17 18 13	LAT. = -22 17 29.9 LONG. = 126 9 5.8 RAD. = 1739714.9	1.5 2.2 17.9
60649	X = -960465 Y = 1288603 Z = -668243	18 18 13	LAT. = -22 34 37.3 LONG. = 126 41 56.9 RAD. = 1740557.2	1.5 2.2 19.2
60651	X = -951613 Y = 1278949 Z = -694660	17 19 14	LAT. = -23 32 44.2 LONG. = 126 39 5.0 RAD. = 1738916.1	1.6 2.3 18.7
31496	X = -1018886 Y = 1320252 Z = -499080	17 17 13	LAT. = -16 39 38.0 LONG. = 127 39 31.2 RAD. = 1740763.0	1.4 2.1 17.0
31498	X = -1006863 Y = 1320768 Z = -524990	17 17 12	LAT. = -17 32 32.1 LONG. = 127 19 9.9 RAD. = 1741785.4	1.4 2.1 17.7
B0945	X = -1000759 Y = 1320485 Z = -535374	16 16 12	LAT. = -17 54 25.0 LONG. = 127 9 26.9 RAD. = 1741213.3	1.3 2.1 15.8
390	X = -993895 Y = 1308689 Z = -561115	18 16 14	LAT. = 18 51 9.4 LONG. = 127 12 54.6 RAD. = 1736474.5	1.6 2.4 15.9
B0882	X = -1000715 Y = 1288196 Z = -593933	17 17 13	LAT. = -20 0 24.2 LONG. = 127 50 28.7 RAD. = 1735982.7	1.4 2.2 17.4
60645	X = -985712 Y = 1291166 Z = -612259	17 18 15	LAT. = -20 39 6.9 LONG. = 127 21 32.3 RAD. = 1735972.4	1.5 2.2 19.8
60647	X = -976103 Y = 1288449 Z = -633189	17 17 13	LAT. = -21 23 28.3 LONG. = 127 8 48.6 RAD. = 1736031.4	1.4 2.2 17.7

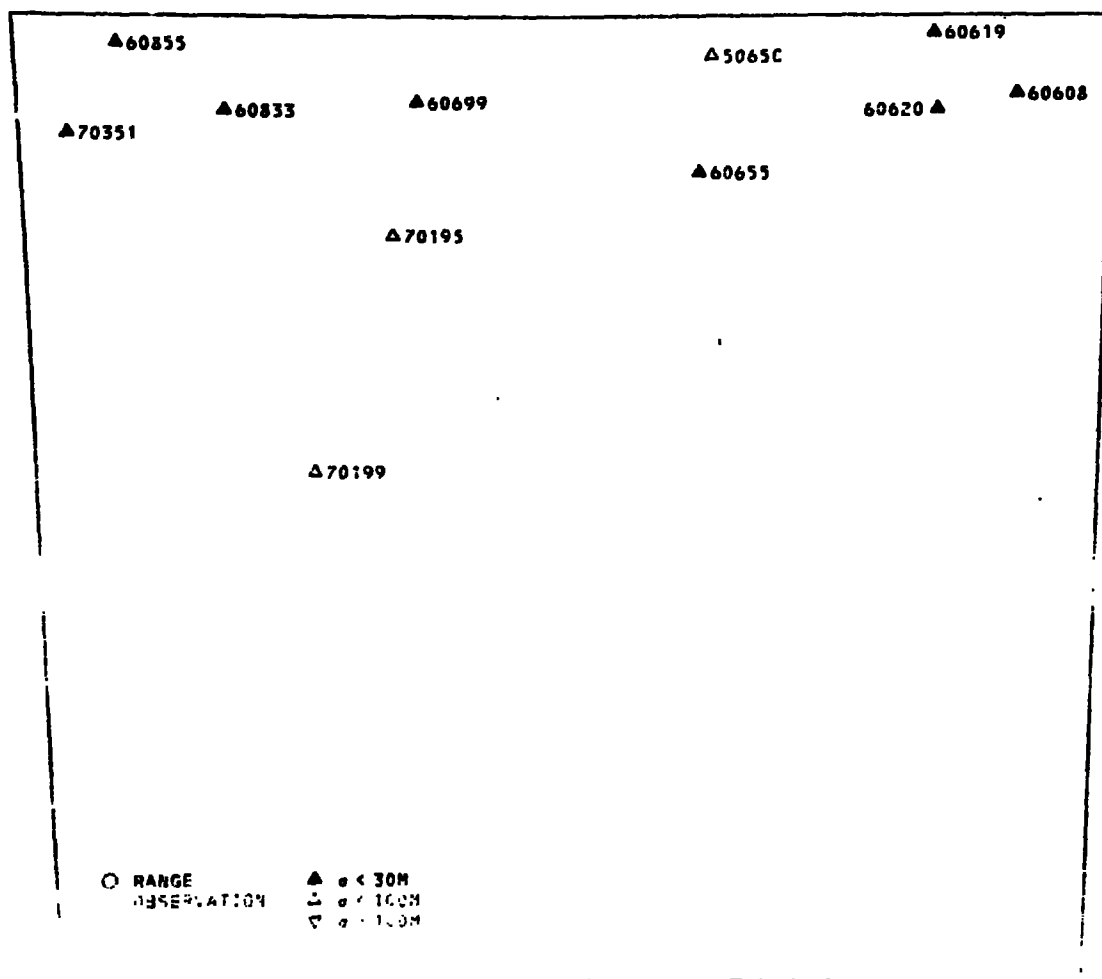
TERRAIN POINTS ON MAP SHEET 1018 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31475	X = -1041083 Y = 1289235 Z = -525425	20 22 13	LAT. = -17 35 33.1 LONG. = 128 55 17.6 RAD. = 1738405.3	1.6 2.3 23.3
482	X = -1035661 Y = 1291358 Z = -529701	18 17 14	LAT. = -17 44 39.3 LONG. = 128 43 45.9 RAD. = 1738039.9	1.6 2.4 16.0
31477	X = -1030673 Y = 1284689 Z = -549142	17 17 12	LAT. = -18 26 20.7 LONG. = 128 44 21.0 RAD. = 1736165.5	1.4 2.2 17.1
41055	X = -1010128 Y = 1252272 Z = -651817	31 40 20	LAT. = -22 3 16.2 LONG. = 128 53 27.3 RAD. = 1735917.5	3.7 2.6 38.7
60616	X = -1004292 Y = 1243283 Z = -678224	19 19 13	LAT. = -22 59 39.6 LONG. = 128 55 49.4 RAD. = 1736186.5	1.6 2.3 19.1
5117	X = -1057117 Y = 1262643 Z = -551049	17 17 13	LAT. = -18 30 6.2 LONG. = 128 44 13.6 RAD. = 1736479.6	1.4 2.2 17.1
588	X = -1046459 Y = 1256474 Z = -582988	18 17 15	LAT. = -19 37 21.4 LONG. = 129 47 21.7 RAD. = 1735995.3	1.7 2.4 16.0
80848	X = -1041051 Y = 1258153 Z = -589181	17 16 13	LAT. = -19 50 20.8 LONG. = 129 36 21.1 RAD. = 1736050.6	1.4 2.2 16.8
1030	X = -1029538 Y = 1257295 Z = -622674	17 17 15	LAT. = -21 1 13.9 LONG. = 129 6 40.5 RAD. = 1735908.6	1.4 2.4 15.9
50601	X = -1040897 Y = 1240882 Z = -624416	18 18 14	LAT. = -21 4 58.6 LONG. = 129 59 28.2 RAD. = 1735242.8	1.4 2.3 18.7
1030	X = -1024970 Y = 1251232 Z = -650089	17 17 13	LAT. = -21 16 54.5 LONG. = 129 19 19.4 RAD. = 1735891.6	1.4 2.1 16.8

TERRAIN POINTS ON MAP SHEET 101B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60614	X = -1013631	18	LAT. = -22 2 55.2	1.5
	Y = 1249498	18	LONG. = 129 3 .1	2.3
	Z = -651645	14	RAD. = 1735896.4	19.1
60605	X = -1017085	19	LAT. = -22 53 44.6	1.6
	Y = 1234653	19	LONG. = 129 28 51.9	2.4
	Z = -675571	14	RAD. = 1736441.1	20.6
60607	X = -1007069	20	LAT. = -23 49 7.5	1.7
	Y = 1233191	19	LONG. = 129 14 10.8	2.4
	Z = -702846	13	RAD. = 1740385.4	20.1

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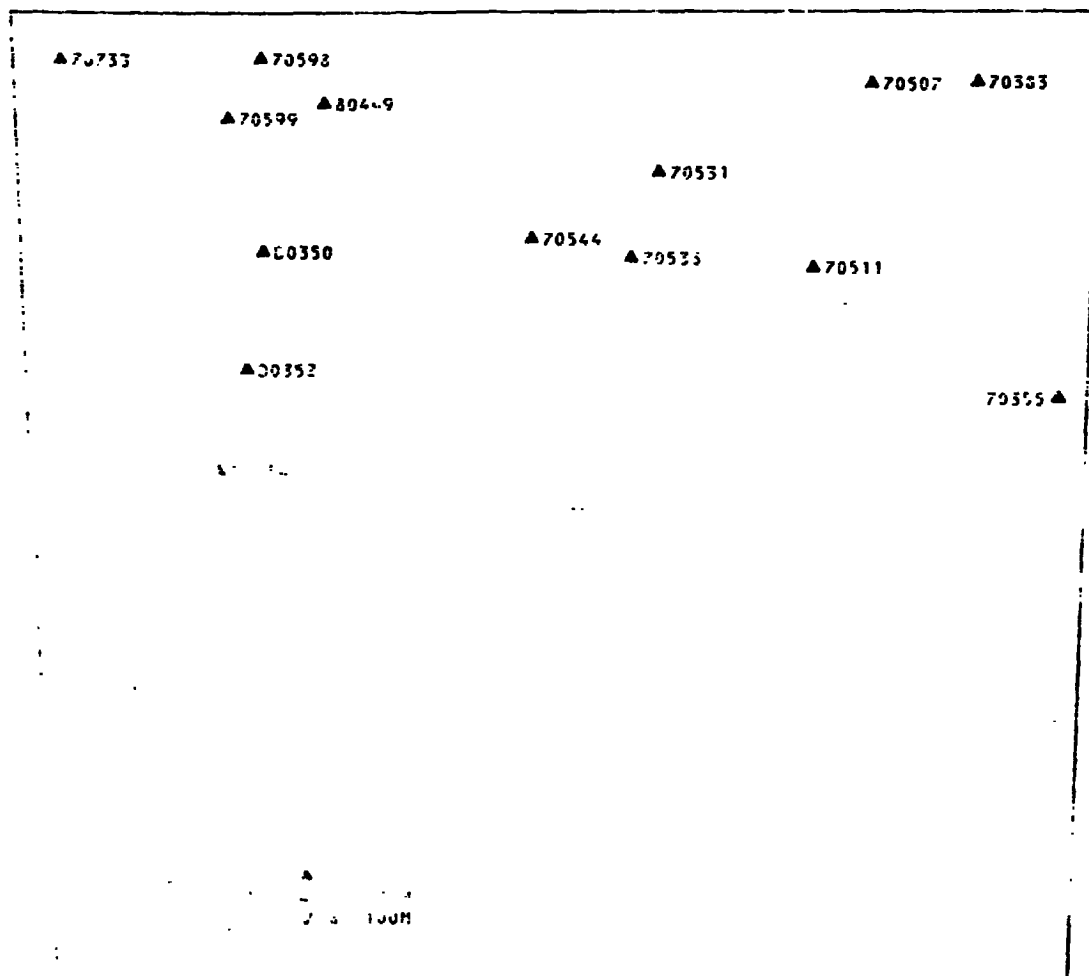


MAP SHEET 101C

TERRAIN DATA MAP SHEET 10.0

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
60855	X = -814254	16	LAT. = -24 13 23.0	1.6
	Y = 1359197	17	LONG. = 120 55 28.4	2.1
	Z = -712838	13	RAD. = 1737401.4	17.2
70351	X = -797054	19	LAT. = -24 57 31.0	1.8
	Y = 1356552	21	LONG. = 120 26 12.3	2.3
	Z = -732296	17	RAD. = 1735450.1	23.0
60833	X = -832581	19	LAT. = -24 46 13.5	1.8
	Y = 1338427	20	LONG. = 121 53 2.7	2.2
	Z = -727345	14	RAD. = 1735975.1	21.0
70199	X = -829135	26	LAT. = -27 46 15.7	3.6
	Y = 1295282	40	LONG. = 122 37 26.8	2.6
	Z = -809863	19	RAD. = 1738130.5	36.6
60699	X = -874880	17	LAT. = -24 42 26.5	1.7
	Y = 1314656	19	LONG. = 123 38 35.0	2.2
	Z = -726577	14	RAD. = 1738289.0	18.3
50650	X = -861831	20	LAT. = -25 48 47.3	2.1
	Y = 1275290	26	LONG. = 126 32 3.7	3.1
	Z = -716201	17	RAD. = 1738172.9	34.9
60655	X = -930091	18	LAT. = -25 17 52.0	2.0
	Y = 1268450	26	LONG. = 126 15 2.6	2.6
	Z = -743435	15	RAD. = 1739750.1	23.0
60620	X = -981069	20	LAT. = -24 46 42.3	2.0
	Y = 1236410	21	LONG. = 128 25 52.9	2.4
	Z = -728551	14	RAD. = 1738409.3	20.7
60608	X = -998240	21	LAT. = -24 42 52.1	2.0
	Y = 1225955	22	LONG. = 129 9 15.9	2.5
	Z = -725417	15	RAD. = 1739446.8	22.6

REPRODUCIBILITY OF THE
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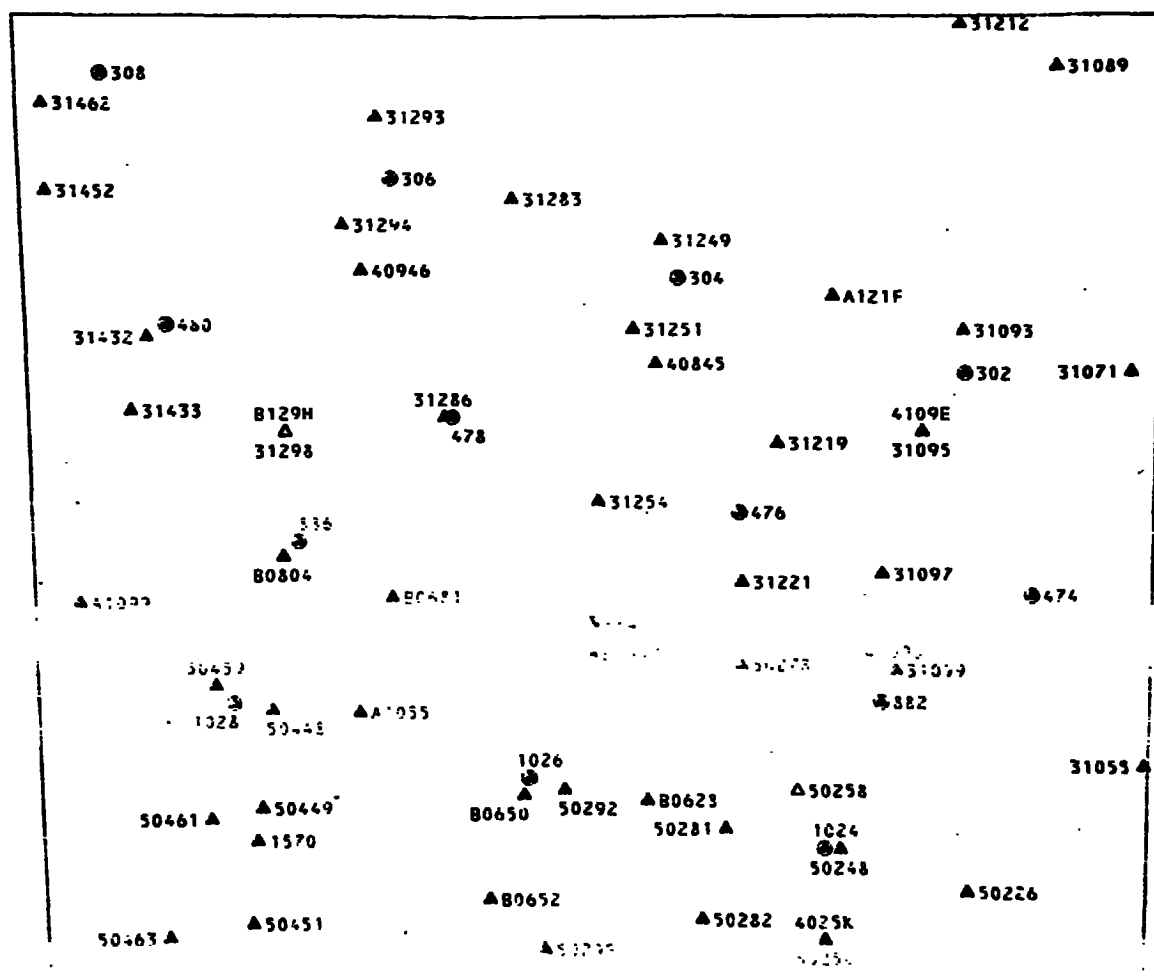
MAP INTER ION

TERRAIN POINT TO MAP SHEET 1015

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70733	X = -552057 Y = 1482020 Z = -716925	14 17 14	LAT. = -24 23 8.2 LONG. = 110 25 49.5 RAD. = 1736418.3	1.6 1.8 17.6
70599	X = -569484 Y = 1461967 Z = -730989	15 18 14	LAT. = -24 52 42.3 LONG. = 111 57 35.7 RAD. = 1737579.5	1.7 1.9 17.8
00354	X = -570215 Y = 1426937 Z = -810138	16 24 15	LAT. = -27 47 55.1 LONG. = 111 46 55.2 RAD. = 1737129.2	2.2 2.0 22.3
70598	X = -599887 Y = 1464146 Z = -717235	15 18 14	LAT. = -24 23 4.2 LONG. = 112 16 47.3 RAD. = 1737243.4	1.7 1.9 17.8
80449	X = -613259 Y = 1454591 Z = -727933	17 22 19	LAT. = -24 45 21.2 LONG. = 112 51 37.4 RAD. = 1738334.9	1.9 2.2 24.6
	X = -591802 Y = 1457000 Z = -717000	15 21 15	LAT. = -25 58 52.0 LONG. = 112 10 35.0 RAD. = 1737129.2	1.7 2.0 22.3
00352	X = -582220 Y = 1435769 Z = -787911	15 23 15	LAT. = -26 57 20.3 LONG. = 112 4 23.1 RAD. = 1738165.1	2.0 2.0 21.8
70544	X = -654743 Y = 1418461 Z = -757811	20 24 15	LAT. = -25 52 35.4 LONG. = 114 46 38.7 RAD. = 1736375.1	2.3 2.2 22.7
	X = -687444 Y = 1411639 Z = -743104	21 25 15	LAT. = -25 19 45.2 LONG. = 113 57 52.3 RAD. = 1737129.2	1.7 2.2 22.3
70533	X = -677363 Y = 1406805 Z = -762713	22 26 15	LAT. = -26 2 5.3 LONG. = 115 42 37.3 RAD. = 1737714.4	2.2 2.3 27.6
80355	X = -652187 Y = 1536367 Z = -317520	22 50 19	LAT. = -28 5 2.3 LONG. = 115 11 37.1 RAD. = 1736577.9	3.8 2.8 42.8
70587	X = -609704 Y = 1595615 Z = -12302	15 15 15	LAT. = -28 55 55.0 LONG. = 117 55 55.0 RAD. = 1737129.2	2.1 2.1 22.9

TERRAIN POINTS ON MAP SHEET 1010 (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
70511	X = -718124 Y = 1384628 Z = -764657	18 21 15	LAT. = -26 6 56.7 LONG. = 117 24 47.0 RAD. = 1737123.4	1.9 2.2 21.3
70383	X = -763446 Y = 1382664 Z = -722534	18 23 17	LAT. = -24 34 56.6 LONG. = 118 54 20.0 RAD. = 1736854.7	1.8 2.3 25.0
70355	X = -766803 Y = 1342246 Z = -794493	22 22 16	LAT. = -27 12 4.3 LONG. = 119 44 19.0 RAD. = 1738054.1	2.4 2.4 22.6

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TERRAIN POINTS ON MAP SHEET 102A

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
308	X = -1088904 Y = 1264333 Z = -493390	19 18 15	LAT. = -16 28 20.6 LONG. = 130 44 11.8 RAD. = 1740024.2	1.8 2.5 16.9
31462	X = -1076073 Y = 1272353 Z = -500682	17 18 14	LAT. = -16 43 24.5 LONG. = 130 13 20.5 RAD. = 1739971.0	1.4 2.2 18.3
31452	X = -1071986 Y = 1267565 Z = -521529	17 17 13	LAT. = -17 26 25.9 LONG. = 130 13 17.0 RAD. = 1740076.8	1.4 2.2 17.5
31433	X = -1073480 Y = 1239052 Z = -572715	18 18 14	LAT. = -19 15 23.9 LONG. = 130 54 17.1 RAD. = 1736551.3	1.5 2.3 19.6
A1099	X = -1051224 Y = 1235450 Z = -617886	24 22 15	LAT. = -20 51 7.1 LONG. = 130 23 38.1 RAD. = 1735855.1	2.2 2.5 24.2
	X = -1086252 Y = 1233011 Z = -551309	19 17 15	LAT. = -18 32 39.9 LONG. = 131 11 49.2 RAD. = 1735178.6	1.7 2.3 18.7
31432	X = -1081541 Y = 1241393 Z = -555519	18 18 13	LAT. = -18 38 40.7 LONG. = 131 3 48.3 RAD. = 1737638.3	1.4 2.3 18.3
50459	X = -1073201 Y = 1209041 Z = -638302	13 18 13	LAT. = -21 32 44.3 LONG. = 131 35 37.5 RAD. = 1738094.1	1.4 2.3 18.8
	X = -1075166 Y = 118107 Z = -643671	13 17 16	LAT. = -21 41 29.5 LONG. = 131 15 15.1 RAD. = 1734472.6	1.8 2.6 16.5
50449	X = -1074440 Y = 1193863 Z = -667514	18 18 13	LAT. = -22 34 3.6 LONG. = 131 59 10.4 RAD. = 1739340.6	1.4 2.3 18.1
50451	X = -1064096 Y = 1201961 Z = -670208	13 19 13	LAT. = -22 39 36.2 LONG. = 131 31 6.5 RAD. = 1739591.5	1.5 2.3 18.8
	X = -1061511 Y = 1190704 Z = -675501	13 17 16	LAT. = -22 50 22.3 LONG. = 131 16 4.6 RAD. = 1739793.6	1.7 2.5 22.4

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TERRAIN POINTS ON MAP SHEET 100A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
50451	X = -1064284 Y = 1187214 Z = -694167	20 19 14	LAT. = -23 31 37.2 LONG. = 131 52 29.3 RAD. = 1738977.7	1.6 2.4 20.7
50463	X = -1047666 Y = 1200871 Z = -697783	20 20 13	LAT. = -23 38 47.0 LONG. = 131 6 7.8 RAD. = 1739711.2	1.7 2.4 20.7
31294	X = -1125441 Y = 1214772 Z = -529096	23 21 15	LAT. = -17 43 8.2 LONG. = 132 48 50.3 RAD. = 1738456.4	1.7 2.5 23.9
40946	X = -1127149 Y = 1209883 Z = -540448	20 21 21	LAT. = -18 5 57.7 LONG. = 132 58 21.1 RAD. = 1739645.5	2.1 2.5 23.4
B129H	X = -1103889 Y = 1214425 Z = -579007	27 22 36	LAT. = -19 25 59.0 LONG. = 132 16 12.9 RAD. = 1740301.3	3.3 2.7 36.0
5129L	X = -1103961 Y = 1214425 Z = -579007	44 23 16	LAT. = -19 26 33.9 LONG. = 132 16 12.9 RAD. = 1740301.3	2.6 3.0 31.0
386	X = -1100033 Y = 1205879 Z = -605373	19 17 15	LAT. = -20 20 56.4 LONG. = 132 22 19.1 RAD. = 1740891.7	1.6 2.5 16.9
B0304	X = -1095986 Y = 1207397 Z = -608903	17 17 13	LAT. = -20 28 34.6 LONG. = 132 13 51.0 RAD. = 1740619.1	1.4 2.3 7.4
50451	X = -1064284 Y = 1187214 Z = -694167	20 19 14	LAT. = -23 31 37.2 LONG. = 131 52 29.3 RAD. = 1738977.7	1.6 2.4 20.7
A1055	X = -1099712 Y = 1183940 Z = -645417	25 22 15	LAT. = -21 46 22.0 LONG. = 132 53 15.8 RAD. = 1740012.2	2.2 2.6 23.8
31293	X = -1137315 Y = 1214421 Z = -503203	22 20 19	LAT. = -16 49 38.4 LONG. = 133 7 19.6 RAD. = 1738251.3	1.8 2.4 24.6
306	X = -1137315 Y = 1214421 Z = -503203	22 20 19	LAT. = -16 49 38.4 LONG. = 133 7 19.6 RAD. = 1738251.3	1.8 2.4 24.6

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TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31286	X = -1133676 Y = 1186559 Z = -575479	18 18 14	LAT. = -19 19 27.4 LONG. = 133 41 39.7 RAD. = 1739057.4	1.4 2.4 18.8
478	X = -1134804 Y = 1185012 Z = -575371	19 18 15	LAT. = -19 19 28.6 LONG. = 133 45 36.5 RAD. = 1738702.2	1.7 2.5 17.3
B0681	X = -1113601 Y = 1185896 Z = -618497	20 20 22	LAT. = -20 48 59.4 LONG. = 133 11 57.3 RAD. = 1740400.9	2.0 2.5 25.6
31283	X = -1160099 Y = 1188241 Z = -523987	22 20 18	LAT. = -17 30 43.8 LONG. = 134 18 48.3 RAD. = 1741352.1	1.7 2.4 24.8
834	X = -1148753 Y = 1149544 Z = -625096	19 18 15	LAT. = -21 2 19.6 LONG. = 134 58 49.0 RAD. = 1741215.2	1.6 2.6 17.2
	X = -1144722 Y = 1149544 Z = -625096	18 18 15	LAT. = -21 17 16.7 LONG. = 134 58 49.0 RAD. = 1740507.1	1.4 2.6 17.7
1026	X = -1124782 Y = 1148061 Z = -659844	19 18 15	LAT. = -22 19 13.8 LONG. = 134 24 47.5 RAD. = 1737403.7	1.7 2.6 16.9
50292	X = -1130842 Y = 1141311 Z = -662924	19 19 13	LAT. = -22 25 16.9 LONG. = 134 44 9.7 RAD. = 1738062.7	1.4 2.4 19.3
	X = -1122695 Y = 1141311 Z = -662924	22 21 14	LAT. = -22 27 54.2 LONG. = 134 31 11.5 RAD. = 1737420.0	1.7 2.6 25.4
B0652	X = -1109990 Y = 1147813 Z = -688445	20 19 13	LAT. = -23 19 25.4 LONG. = 134 2 24.9 RAD. = 1738823.8	1.6 2.5 19.6
50293	X = -1117117 Y = 1135339 Z = -700510	22 21 14	LAT. = -23 44 24.2 LONG. = 134 32 11.5 RAD. = 1740017.0	1.7 2.5 23.3
	X = -1137022 Y = 1135339 Z = -682358	20 19 16	LAT. = -23 5 36.1 LONG. = 133 51 38.4 RAD. = 1737433.0	1.6 2.4 21.6

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
304	X = -1182589 Y = 1151102 Z = -541667	20 18 15	LAT. = -18 10 15.0 LONG. = 135 46 22.8 RAD. = 1736938.2	1.7 2.6 17.4
31251	X = -1172661 Y = 1157522 Z = -554338	23 21 15	LAT. = -18 35 39.5 LONG. = 135 22 20.1 RAD. = 1738471.1	1.7 2.6 23.9
40845	X = -1175328 Y = 1151982 Z = -562813	20 21 21	LAT. = -18 52 47.1 LONG. = 135 34 29.0 RAD. = 1739315.4	2.1 2.6 23.7
31254	X = -1156650 Y = 1154240 Z = -595530	20 18 13	LAT. = -20 1 27.5 LONG. = 135 3 35.2 RAD. = 1739185.0	1.4 2.4 19.2
B0628	X = -1145597 Y = 1126303 Z = -665659	21 19 14	LAT. = -22 30 23.2 LONG. = 135 29 11.7 RAD. = 1738980.3	1.6 2.5 20.6
31212	X = -1146085 Y = 1126303 Z = -665659	22 19 14	LAT. = -23 29 25.3 LONG. = 135 29 11.7 RAD. = 1738980.3	1.7 2.5 20.6
31219	X = -1192187 Y = 1125200 Z = -581890	19 19 14	LAT. = -19 32 33.7 LONG. = 136 39 20.7 RAD. = 1739534.5	1.4 2.4 19.8
476	X = -1180416 Y = 1127315 Z = -597784	20 18 15	LAT. = -20 6 52.1 LONG. = 136 19 5.4 RAD. = 1738265.5	1.7 2.6 18.0
50278	X = -1170600 Y = 1117358 Z = -633518	20 19 15	LAT. = -21 22 45.4 LONG. = 136 19 59.1 RAD. = 1737854.4	1.5 2.5 21.2
50255	X = -1173614 Y = 1100210 Z = -663390	24 32 21	LAT. = -22 25 33.3 LONG. = 136 50 56.3 RAD. = 1740232.0	1.8 3.0 35.6
	X = -1173614 Y = 1100210 Z = -663390	24 32 21	LAT. = -22 25 33.3 LONG. = 136 50 56.3 RAD. = 1740232.0	1.8 3.0 35.6

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TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A121F	X = -1210257 Y = 1122952 Z = -546825	21 22 20	LAT. = -18 19 31.7 LONG. = 137 8 34.5 RAD. = 1739183.6	2.0 2.6 24.1
4109E	X = -1219337 Y = 1100050 Z = -579812	21 21 21	LAT. = -19 26 46.9 LONG. = 137 56 39.0 RAD. = 1741572.5	2.1 2.6 23.7
31095	X = -1219317 Y = 1100105 Z = -579872	21 19 14	LAT. = -19 26 52.8 LONG. = 137 56 32.2 RAD. = 1741613.6	1.5 2.5 21.3
31097	X = -1201775 Y = 1097409 Z = -612606	18 18 13	LAT. = -20 37 38.8 LONG. = 137 35 56.5 RAD. = 1738924.2	1.4 2.4 18.1
4109J	X = -1198589 Y = 1089704 Z = -635680	22 21 16	LAT. = -21 25 33.7 LONG. = 137 43 27.4 RAD. = 1740160.7	1.7 2.7 23.8
332	X = -1198528 Y = 1089691 Z = -635682	18 18 13	LAT. = -21 25 36.3 LONG. = 137 43 23.4 RAD. = 1740111.9	1.4 2.5 13.1
1024	X = -1193747 Y = 1090093 Z = -643056	20 18 15	LAT. = -21 41 31.4 LONG. = 137 55 55.0 RAD. = 1739785.8	1.7 2.7 17.8
50247	X = -1172967 Y = 1090184 Z = -676585	20 20 16	LAT. = -22 54 15.8 LONG. = 137 5 41.6 RAD. = 1738424.9	1.8 2.8 18.8
4025K	X = -1175745 Y = 1087401 Z = -676959	19 19 13	LAT. = -22 54 49.9 LONG. = 137 14 7.7 RAD. = 1738704.1	1.5 2.5 19.7
50250	X = -1166541 Y = 1083816 Z = -697771	25 22 15	LAT. = -23 39 48.9 LONG. = 137 6 19.0 RAD. = 1738493.3	2.1 2.7 24.2
31212	X = -1166521 Y = 1083701 Z = -697781	22 34 16	LAT. = -23 39 54.4 LONG. = 137 6 28.3 RAD. = 1738412.2	1.8 3.1 32.5
	X = -1147886 Y = 1114268 Z = -471611	13 13 13	LAT. = 15 3 42.0 LONG. = 138 13 54.7 RAD. = 1740729.1	1.5 2.4 18.0

TERRAIN POINTS ON MAP SHEET 102A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
31093	X = -1231408 Y = 1097560 Z = -555485	20 20 16	LAT. = -18 36 39.4 LONG. = 138 17 21.2 RAD. = 1740565.2	1.6 2.5 21.5
302	X = -1229617 Y = 1094913 Z = -565681	20 18 15	LAT. = -18 57 41.4 LONG. = 138 18 59.4 RAD. = 1740915.9	1.7 2.6 17.8
474	X = -1225949 Y = 1068148 Z = -617836	20 19 15	LAT. = -20 48 19.4 LONG. = 138 56 5.8 RAD. = 1739428.4	1.7 2.7 18.3
50226	X = -1195396 Y = 1061707 Z = -687597	22 21 14	LAT. = -23 16 15.5 LONG. = 138 23 22.9 RAD. = 1740397.0	1.8 2.7 22.3
31089	X = -1260834 Y = 1092856 Z = -491727	21 22 23	LAT. = -16 25 13.7 LONG. = 139 4 55.8 RAD. = 1739491.7	2.3 2.7 24.4
31051	X = -1256443 Y = 1063717 Z = -565016	20 20 17	LAT. = -18 57 2.7 LONG. = 138 17 43.1 RAD. = 1739321.0	1.6 2.5 20.1
31055	X = -1233261 Y = 1036092 Z = -658067	20 19 13	LAT. = -22 13 21.7 LONG. = 139 57 56.0 RAD. = 1739962.8	1.5 2.6 20.0

TERRAIN POINTS ON MAP SHEET 1022

POINT NO.	CARTESIAN POSITION	STD DE	SPHERICAL POSITION	STD DEV
V1254	X = -1295627 Y = 1050505 Z = -487507	25 21 15	LAT. = -16 17 31.5 LONG. = 140 57 52.6 RAD. = 1737779.1	1.9 2.6 23.8
31067	X = -1282793 Y = 1057455 Z = -504578	20 18 14	LAT. = -16 53 1.4 LONG. = 140 29 59.8 RAD. = 1737344.9	1.6 2.5 18.6
31049	X = -1272699 Y = 1033590 Z = -580719	21 21 16	LAT. = -19 30 14.5 LONG. = 140 55 8.8 RAD. = 1739340.3	1.6 2.6 22.6
300	X = -1271295 Y = 1034256 Z = -587864	20 19 15	LAT. = -19 43 58.8 LONG. = 140 52 12.4 RAD. = 1741108.9	1.7 2.7 18.5
31051	X = -1264463 Y = 1035797 Z = -595630	20 19 15	LAT. = -20 1 18.4 LONG. = 140 40 37.4 RAD. = 1739688.7	1.5 2.5 20.0
31034	X = -1246123 Y = 1037173 Z = -637127	25 19 14	LAT. = -21 27 17.4 LONG. = 140 13 56.6 RAD. = 1741097.0	1.9 2.7 21.3
880	X = -1238319 Y = 1029111 Z = -660355	20 19 15	LAT. = -22 17 59.4 LONG. = 140 16 17.6 RAD. = 1740279.6	1.7 2.8 18.6
31045	X = -1297946 Y = 1032724 Z = -521302	22 22 22	LAT. = -17 26 50.6 LONG. = 141 29 31.6 RAD. = 1738660.2	2.2 2.7 25.1
31027	X = -1290457 Y = 1012213 Z = -535382	21 20 17	LAT. = -19 39 29.4 LONG. = 141 53 23.3 RAD. = 1741531.3	1.6 2.6 23.1
472	X = -1267914 Y = 1005857 Z = -636031	21 20 16	LAT. = -21 27 15.6 LONG. = 141 34 28.1 RAD. = 1738933.7	1.7 2.8 19.4
31031	X = -1262853 Y = 1011792 Z = -636288	21 20 14	LAT. = -21 27 54.9 LONG. = 141 17 54.2 RAD. = 1738791.6	1.5 2.6 21.7
31010	X = -1235300 Y = 973580 Z = -652741	21 20 14	LAT. = -22 1 31.1 LONG. = 142 48 52.1 RAD. = 1738042.7	1.4 2.7 23.4

TRAIN POINTS ON MAP SHEET 102P (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
40494	X = -1276381 Y = 966471 Z = -671556	24 23 17	LAT. = -22 45 21.8 LONG. = 142 52 1.7 RAD. = 1736145.9	1.8 2.9 26.5
878	X = -1276877 Y = 963689 Z = -674303	21 20 16	LAT. = -22 51 21.7 LONG. = 142 57 26.3 RAD. = 1736028.7	1.8 2.9 19.7
31011	X = -1271777 Y = 966699 Z = -680087	23 23 14	LAT. = -23 3 38.7 LONG. = 142 45 39.3 RAD. = 1736215.3	1.7 2.7 23.8
40495	X = -1265136 Y = 964548 Z = -694458	24 22 15	LAT. = -23 34 56.4 LONG. = 142 40 40.3 RAD. = 1735855.7	1.7 2.8 24.5
W1211	X = -1334816 Y = 988548 Z = -524487	26 21 16	LAT. = -17 31 27.1 LONG. = 143 28 36.5 RAD. = 1741851.8	2.1 2.7 23.9
	X = -1318391 Y = 988548 Z = -593607	22 21 17	LAT. = -19 55 36.5 LONG. = 143 28 36.5 RAD. = 1741711.1	1.7 2.7 26.1
40430	X = -1308604 Y = 973801 Z = -606300	22 23 23	LAT. = -20 23 23.5 LONG. = 143 20 42.5 RAD. = 1740210.5	2.3 2.9 25.9
278	X = -1309267 Y = 971032 Z = -609568	21 20 16	LAT. = -20 30 12.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.7 2.8 19.5
	X = -1301946 Y = 971032 Z = -609568	21 20 16	LAT. = -20 52 18.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.8 2.8 19.5
40590	X = -1336063 Y = 946862 Z = -596728	23 24 22	LAT. = -20 1 18.2 LONG. = 144 40 29.9 RAD. = 1742898.9	2.2 3.0 25.7
	X = -1308521 Y = 942974 Z = -654512	22 21 17	LAT. = -22 5 13.7 LONG. = 144 13 16.8 RAD. = 1740641.2	1.7 2.7 20.3
	X = -1301946 Y = 971032 Z = -609568	21 20 16	LAT. = -20 52 18.3 LONG. = 143 26 13.6 RAD. = 1740303.5	1.8 2.8 19.5

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TERRAIN POINTS ON MAP SHEET 102B (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1055	X = -1368629 Y = 929060 Z = -541935	27 22 16	LAT. = -18 8 22.7 LONG. = 145 49 49.3 RAD. = 1740686.4	2.2 2.8 24.7
40445	X = -1345590 Y = 908986 Z = -622074	25 34 37	LAT. = -20 57 40.3 LONG. = 145 57 35.3 RAD. = 1738920.5	3.2 3.7 39.2
30795	X = -1337811 Y = 905831 Z = -645210	24 23 16	LAT. = -21 46 10.3 LONG. = 145 53 53.1 RAD. = 1739702.6	1.6 2.9 25.2
30797	X = -1327387 Y = 909541 Z = -670017	22 22 15	LAT. = -22 36 23.1 LONG. = 145 34 50.2 RAD. = 1743027.1	1.5 2.8 22.9
876	X = -13185.6 Y = 901754 Z = -692146	23 23 17	LAT. = -23 25 35.0 LONG. = 145 37 56.5 RAD. = 1740939.0	1.9 3.1 22.4
30796	X = -1313124 Y = 904119 Z = -677985	26 25 16	LAT. = -23 38 30.8 LONG. = 145 31 54.0 RAD. = 1740920.7	1.8 2.4 21.6
V1054	X = -1373899 Y = 919392 Z = -522941	26 22 15	LAT. = -17 30 44.9 LONG. = 146 18 22.7 RAD. = 1737847.0	2.0 2.7 25.0
11394	X = -1380709 Y = 904799 Z = -537872	32 24 24	LAT. = -18 2 50.2 LONG. = 146 45 45.3 RAD. = 1736180.5	2.3 3.2 33.8
100	X = -1380654 Y = 904799 Z = -537872	32 24 24	LAT. = -18 2 50.2 LONG. = 146 45 45.3 RAD. = 1736180.5	2.3 3.2 33.8
100	X = -1378049 Y = 906553 Z = -542988	26 24 20	LAT. = -18 13 14.4 LONG. = 146 39 39.5 RAD. = 1736575.6	2.2 3.1 26.0
1139E	X = -1375985 Y = 907798 Z = -549971	24 25 26	LAT. = -18 27 .2 LONG. = 146 35 7.5 RAD. = 1737785.6	2.6 3.1 27.6
100	X = -1376441 Y = 907798 Z = -549971	24 25 26	LAT. = -18 27 .2 LONG. = 146 35 7.5 RAD. = 1737785.6	2.6 3.1 27.6

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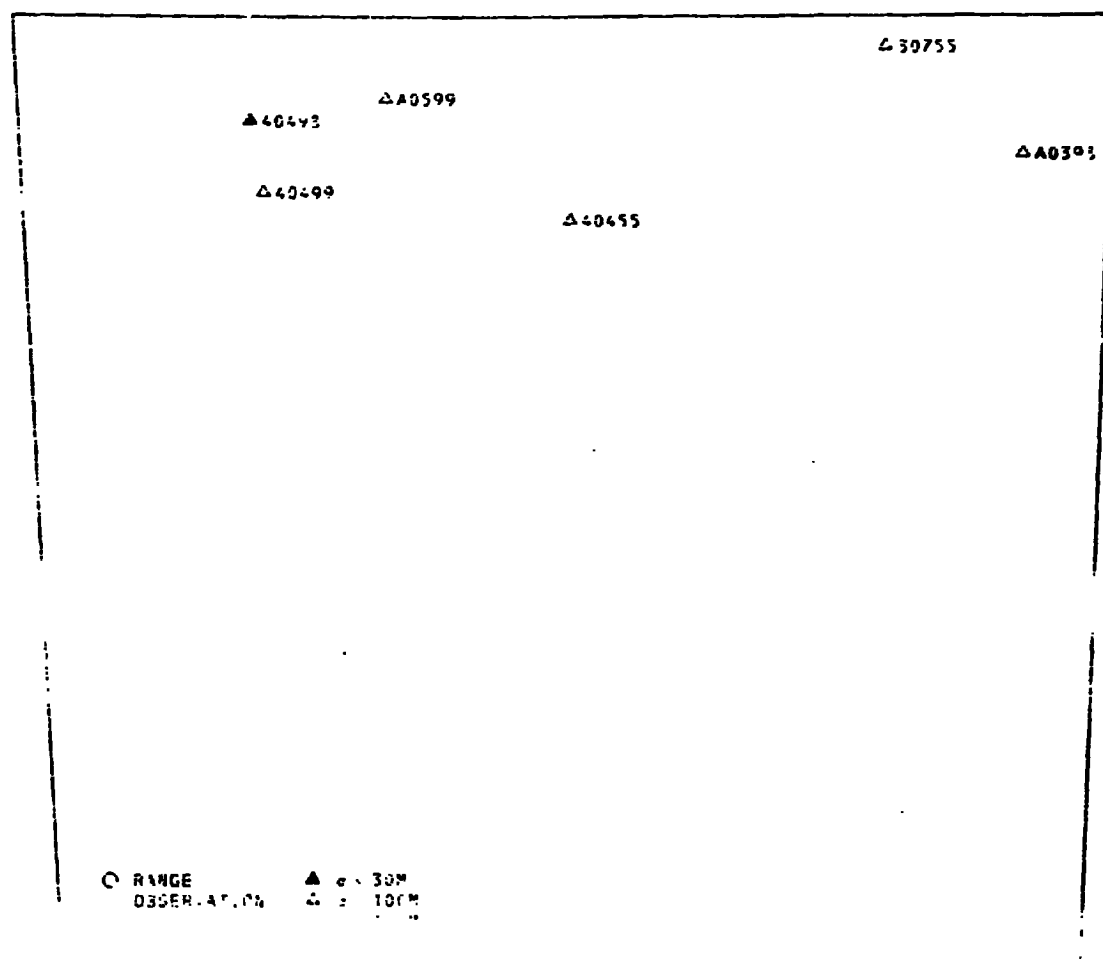
			GEOMETRIC POSITION			STD DEV
30789	X = -1376509 Y = 900934 Z = -564390	23 24 23	LAT. = -18 56 7.5 LONG. = 146 47 41.9 RAD. = 1739251.1			2.2 3.0 27.2
30791	X = -1364577 Y = 903931 Z = -584492	22 22 18	LAT. = -19 39 4.3 LONG. = 146 28 42.6 RAD. = 1738042.7			1.7 2.8 23.7
11328	X = -1365804 Y = 888573 Z = -604518	24 22 18	LAT. = -20 21 22.7 LONG. = 146 57 30.3 RAD. = 1737834.6			1.7 2.9 25.3
30793	X = -1351109 Y = 906065 Z = -612567	23 23 18	LAT. = -20 38 1.8 LONG. = 146 9 13.9 RAD. = 1738300.3			1.7 2.9 25.3
236	X = -1344871 Y = 905558 Z = -628313	23 22 16	LAT. = -21 10 58.1 LONG. = 146 2 45.5 RAD. = 1738318.4			1.8 3.0 22.2
	X = -1344087	23	LAT. = -22 42 34.3			1.9
30796	X = -1340133 Y = 881697 Z = -675844	23 23 16	LAT. = -22 50 43.4 LONG. = 146 39 34.1 RAD. = 1740763.8			1.7 2.9 26.0
31203	X = -1405846 Y = 892298 Z = -498030	27 21 16	LAT. = -16 39 6.4 LONG. = 147 35 47.3 RAD. = 1737997.0			2.2 2.2 25.0
	X = -1397675 Y = 877113 Z = -516315	23 23 18	LAT. = -19 12 48.9 LONG. = 147 30 23.6 RAD. = 1738093.1			1.8 2.9 25.0
30780	X = -1378634 Y = 878085 Z = -591048	23 23 18	LAT. = -22 1 15.9 LONG. = 147 3 10.8 RAD. = 1737747.4			1.7 3.0 26.4
30781	X = -1351886 Y = 876142 Z = -651565	24 22 18				
	X = -1352840 Y = 877113 Z = -516315	24 22 18				

TERRAIN POINTS IN MAP SHEET 1025 (CONTINUED)

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V1011	X = -1407594 Y = 856667 Z = -556863	27 22 16	LAT. = -18 40 20.9 LONG. = 148 40 30.6 RAD. = 1739337.1	2.2 2.8 25.1
98	X = -1406870 Y = 853711 Z = -562874	25 24 19	LAT. = -18 52 58.0 LONG. = 148 44 59.9 RAD. = 1739233.5	2.1 3.1 25.1
11351	X = -1401140 Y = 854829 Z = -573237	24 25 19	LAT. = -19 15 7.1 LONG. = 148 36 46.1 RAD. = 1738542.0	1.9 3.1 26.4
11355	X = -1380946 Y = 858739 Z = -613549	27 25 19	LAT. = -20 40 16.6 LONG. = 148 7 28.7 RAD. = 1738070.5	2.2 3.1 27.9
30749	X = -1383096 Y = 837765 Z = -636478	24 25 18	LAT. = -21 29 6.0 LONG. = 148 47 45.6 RAD. = 1737788.8	1.7 3.1 27.6
73	X = -1378321 Y = 831534 Z = -641100	27 27 27	LAT. = -21 49 .6 LONG. = 148 40 55.7 RAD. = 1737410.1	1.8 3.2 28.7
30751	X = -1369865 Y = 840756 Z = -660232	25 25 17	LAT. = -22 19 53.4 LONG. = 143 27 37.6 RAD. = 1737615.3	1.7 3.1 27.2
1706	X = -1437662 Y = 856916 Z = -480793	22 20 15	LAT. = -16 1 39.7 LONG. = 149 12 10.9 RAD. = 1741361.4	1.7 2.8 20.4
1707	X = -1429138 Y = 847590 Z = -471037	27 26 21	LAT. = -17 7 43.7 LONG. = 149 19 45.5 RAD. = 1738693.5	2.5 3.5 29.7
30745	X = -1408681 Y = 835214 Z = -580166	24 25 19	LAT. = -19 30 6.3 LONG. = 149 18 21.6 RAD. = 1737880.8	1.9 3.1 26.4
A0389	X = -1406872 Y = 813902 Z = -615158	27 37 38	LAT. = -20 43 50.4 LONG. = 149 56 59.3 RAD. = 1737856.5	3.3 4.0 41.5
A0388	X = -1406872 Y = 810866 Z = -615158	27 37 38	LAT. = -20 43 50.4 LONG. = 149 56 47.0 RAD. = 1737863.1	3.3 4.0 41.5

REF-1 IN POINTS ON MAP SHEET 1028 (CONTINUED)

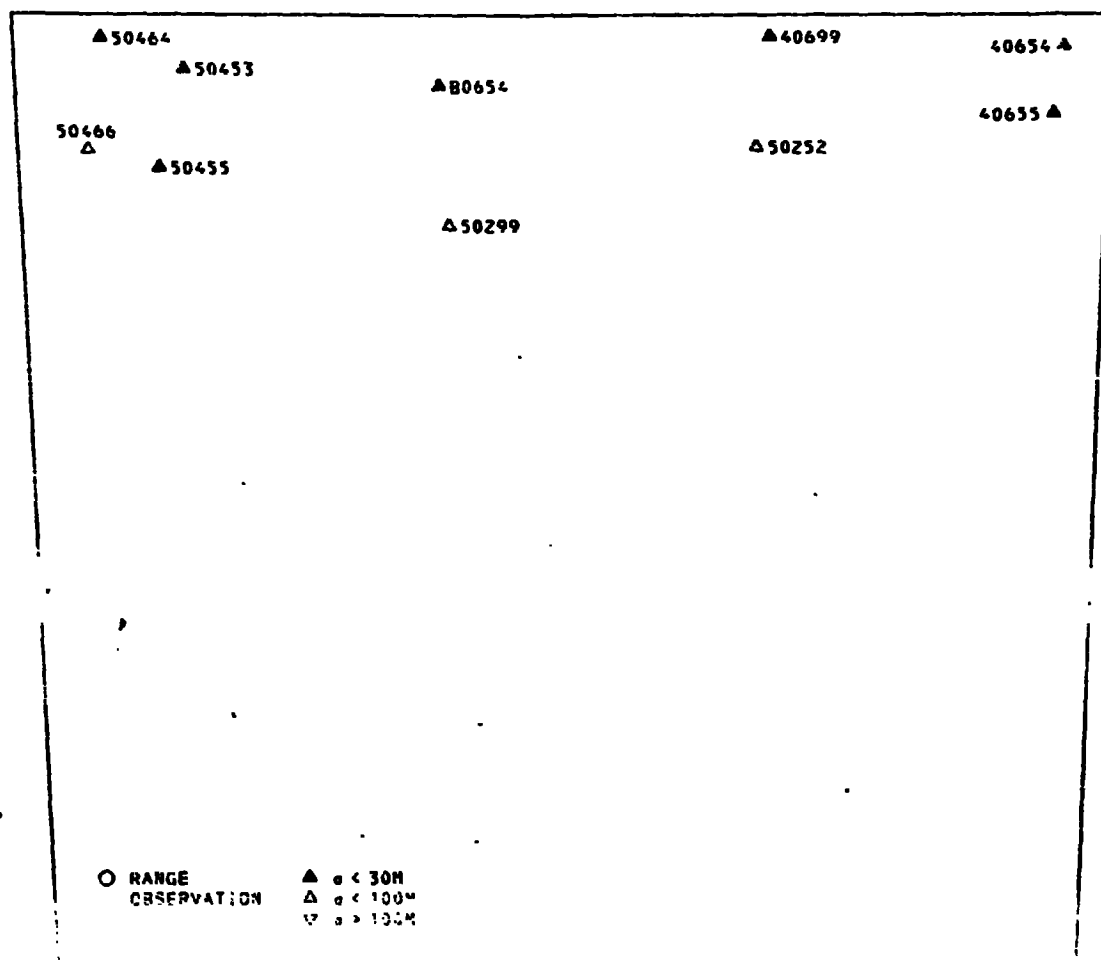
POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
A0393	X = -1382458 Y = 813418 Z = -668953	31 36 24	LAT. = -22 38 19.1 LONG. = 149 31 41.0 RAD. = 1737911.6	2.0 3.7 41.5
466	X = -1376772 Y = 809687 Z = -684695	24 25 19	LAT. = -23 12 13.9 LONG. = 149 32 24.0 RAD. = 1737786.3	2.0 3.4 24.2
30720	X = -1376997 Y = 803187 Z = -696253	32 38 20	LAT. = -23 35 38.0 LONG. = 149 44 43.6 RAD. = 1739539.6	2.2 3.9 41.1
A0395	X = -1370677 Y = 812038 Z = -699212	33 36 19	LAT. = -23 41 45.1 LONG. = 149 21 21.5 RAD. = 1739844.7	2.2 3.7 40.8



MAP SHEET 1020

TERRAIN POINTS ON MAP SHEET 1020

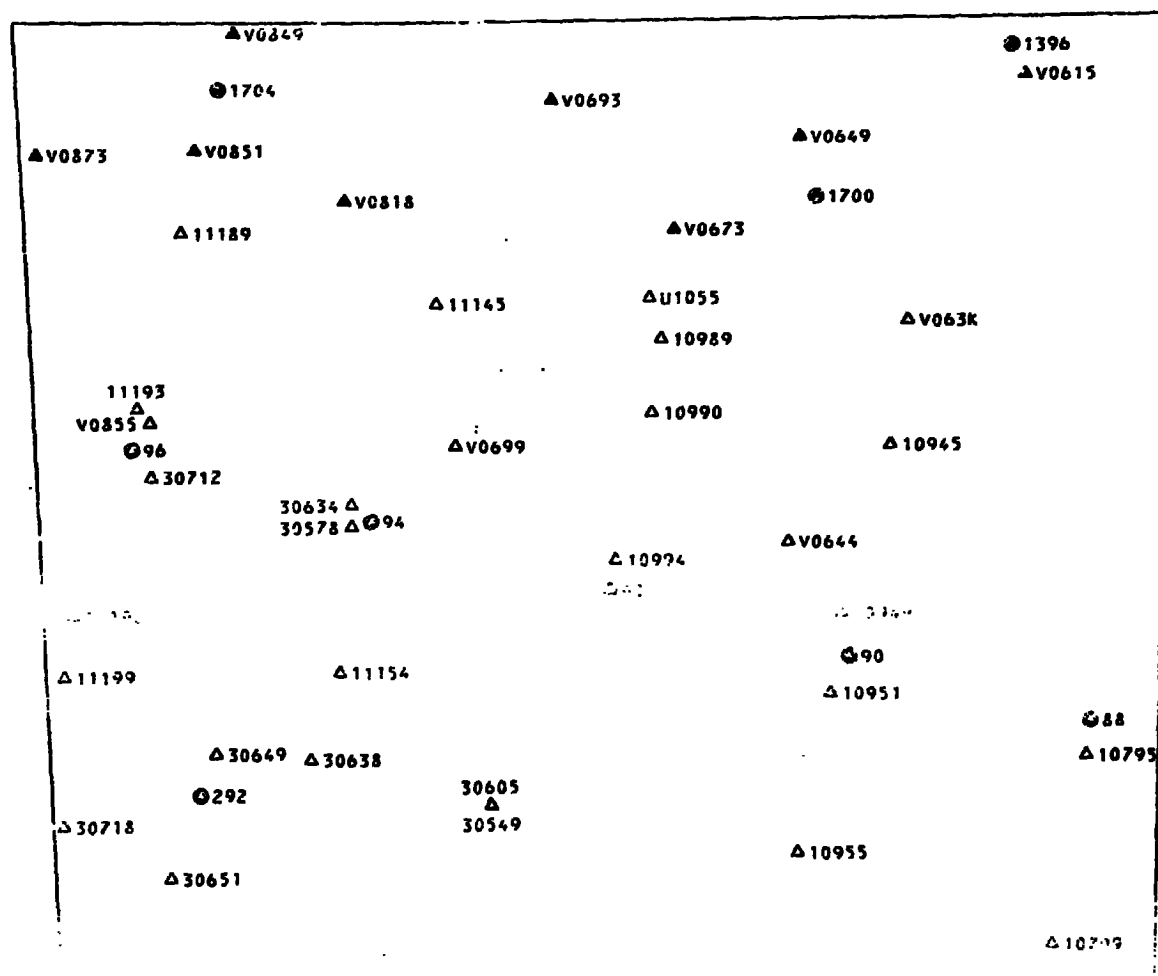
	CARTESIAN POSITION	STD DEV	GEODESIC POSITION	STD DEV
40498	X = -1245301 Y = 968754 Z = -731073	27 23 16	LAT. = -24 51 41.3 LONG. = 142 7 10.9 RAD. = 1738886.8	2.2 2.9 26.1
40499	X = -1241286 Y = 961796 Z = -747421	28 23 17	LAT. = -25 27 11.5 LONG. = 142 13 48.4 RAD. = 1739103.1	2.4 2.9 26.1
A0599	X = -1266479 Y = 941441 Z = -725116	29 23 17	LAT. = -24 40 43.2 LONG. = 143 22 28.6 RAD. = 1736684.2	2.4 3.0 26.9
40455	X = -1284909 Y = 897216 Z = -753895	37 37 19	LAT. = -25 41 25.1 LONG. = 145 4 28.1 RAD. = 1739065.2	3.6 3.3 39.5
30755	X = -1345145 Y = 841758 Z = -714884	30 27 19	LAT. = -24 15 8.3 LONG. = 147 57 45.7 RAD. = 1740410.7	2.6 3.4 29.5
	X = -1354557 Y = 811111 Z = -739851	33 28 17	LAT. = -25 8 8.4 LONG. = 147 13 51.1 RAD. = 1741326.5	3.7 3.1 30.5



MAP SHEET 102D

TERRAIN POINTS ON MAP SHEET 1000

POINT NO.	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
50464	X = -1037075 Y = 1201874 Z = -713225	21 20 14	LAT. = -24 11 37.6 LONG. = 130 47 25.1 RAD. = 1740320.5	1.8 2.4 20.7
50466	X = -1025778 Y = 1195274 Z = -738293	30 34 18	LAT. = -25 6 50.2 LONG. = 130 38 9.7 RAD. = 1739533.5	3.3 2.7 34.4
50453	X = -1049646 Y = 1184900 Z = -719597	21 19 14	LAT. = -24 26 46.1 LONG. = 131 32 10.3 RAD. = 1738839.6	1.8 2.5 20.8
50451	X = -1037083 Y = 1181103 Z = -741666	23 22 15	LAT. = -25 15 38.5 LONG. = 131 17 6.6 RAD. = 1737991.6	2.2 2.6 22.9
80654	X = -1095022 Y = 1138839 Z = -722399	24 22 15	LAT. = -24 35 13.9 LONG. = 133 52 34.6 RAD. = 1737414.5	2.1 2.7 23.6
50450	X = -1086310 Y = 1126354 Z = -720000	31 27 17	LAT. = -25 44 45.0 LONG. = 133 52 47.3 RAD. = 1736800.0	3.5 2.6 24.0
40654	X = -1158517 Y = 1083477 Z = -712212	26 20 16	LAT. = -24 50 48.3 LONG. = 134 55 11.1 RAD. = 1738772.3	2.2 2.8 24.2
50252	X = -1146535 Y = 1076452 Z = -736455	26 26 16	LAT. = -25 5 34.5 LONG. = 136 43 20.6 RAD. = 1736565.0	2.8 3.1 33.5
50251	X = -1201424 Y = 1070115 Z = -730000	27 21 17	LAT. = -25 15 30.2 LONG. = 136 55 11.1 RAD. = 1736000.0	2.6 2.6 24.0
40655	X = -1199257 Y = 1023904 Z = -729330	27 22 16	LAT. = -24 49 15.7 LONG. = 139 30 35.6 RAD. = 1737388.9	2.3 2.9 25.1



SAV
OBSERVATION

Δ 100M
▽ 100M

MAP SHEET 105A

TERRAIN POINTS ON MAP SHEET 103A

POINT	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
V0873	X = -1439219 Y = 826239 Z = -510070	25 21 14	LAT. = -17 5 7.0 LONG. = 150 8 25.3 RAD. = 1736143.0	1.8 2.8 23.8
11193	X = -1434293 Y = 797931 Z = -571133	26 27 20	LAT. = -19 11 11.7 LONG. = 150 54 42.4 RAD. = 1737838.3	2.0 3.4 28.4
96	X = -1430545 Y = 797819 Z = -580895	23 25 19	LAT. = -19 31 35.8 LONG. = 150 51 5.2 RAD. = 1737933.6	2.0 3.4 25.4
11198	X = -1409657 Y = 805193 Z = -620116	28 27 19	LAT. = -20 54 21.6 LONG. = 150 15 54.3 RAD. = 1737818.5	2.2 3.4 28.4
11199	X = -1403425 Y = 804909 Z = -634471	28 26 19	LAT. = -21 24 48.4 LONG. = 150 9 51.7 RAD. = 1737824.9	2.3 3.4 28.4
	X = -1390100 Y = 799504 Z = -619207	27 21 11	LAT. = -22 39 4.2 LONG. = 150 5 31.2 RAD. = 1737795.7	1.9 3.5 21.1
V0849	X = -1474669 Y = 787694 Z = -482135	24 21 14	LAT. = -16 5 11.9 LONG. = 151 53 38.0 RAD. = 1739990.0	1.6 2.8 23.4
1704	X = -1468551 Y = 789333 Z = -495433	23 21 15	LAT. = -16 32 59.0 LONG. = 151 44 32.5 RAD. = 1739293.8	1.7 2.8 21.1
	X = -1460089 Y = 781332 Z = -500734	23 21 14	LAT. = -17 5 11.5 LONG. = 151 29 39.3 RAD. = 1737651.1	1.7 2.8 23.7
11139	X = -1452684 Y = 793232 Z = -529359	31 27 33	LAT. = -17 44 8.3 LONG. = 151 21 48.3 RAD. = 1737737.1	3.1 3.5 36.3
V0855	X = -1434926 Y = 794512 Z = -574512	28 22 17	LAT. = -19 18 13.7 LONG. = 151 1 36.9 RAD. = 1737908.6	2.3 2.9 25.7
	X = -1434926 Y = 794512 Z = -574512	28 22 17	LAT. = -19 18 13.7 LONG. = 151 1 36.9 RAD. = 1737908.6	2.3 2.9 25.7

TERRAIN ELEVATION MAP SHEET 10A (CONTINUED)

POINT NO.	CARTESIAN COORDINATES	STP NO.	SPHERICAL POSITION	STP ELEV.
30649	X = -1414024 Y = 767728 Z = -652204	29 37 23	LAT. = -22 3 54.3 LONG. = 151 30 2.8 RAD. = 1736156.9	1.9 4.0 39.7
292	X = -1408505 Y = 769673 Z = -661777	26 27 19	LAT. = -22 24 23.1 LONG. = 151 20 44.7 RAD. = 1736154.7	2.0 3.6 25.5
30651	X = -1399989 Y = 774616 Z = -682216	32 35 19	LAT. = -23 5 33.6 LONG. = 151 2 39.1 RAD. = 1739373.0	2.0 3.8 38.4
V0818	X = -1476266 Y = 758230 Z = -522679	25 22 14	LAT. = -17 28 53.2 LONG. = 152 48 51.7 RAD. = 1739962.4	1.8 2.8 24.0
30634	X = -1452310 Y = 746276 Z = -594502	31 33 21	LAT. = -20 0 22.4 LONG. = 152 48 12.4 RAD. = 1737689.3	2.1 3.7 35.4
	X = -1453219 Y = 741815 Z = -594502	26 27 19	LAT. = -20 8 42.0 LONG. = 152 52 12.4 RAD. = 1737689.3	2.0 3.5 35.4
30578	X = -1450505 Y = 745591 Z = -599676	28 28 20	LAT. = -20 11 17.4 LONG. = 152 47 45.1 RAD. = 1737665.4	2.0 3.5 29.1
11154	X = -1437938 Y = 743788 Z = -634420	25 28 19	LAT. = -21 23 57.1 LONG. = 152 38 57.4 RAD. = 1738785.9	2.0 3.6 26.6
30632	X = -1428832 Y = 747116 Z = -634420	29 28 19	LAT. = -22 7 10.6 LONG. = 152 31 54.3 RAD. = 1738785.9	2.2 3.6 26.6
11145	X = -1479461 Y = 734316 Z = -547613	27 28 23	LAT. = -18 20 34.7 LONG. = 153 36 10.6 RAD. = 1740088.1	2.3 3.6 29.0
V0690	X = -1471484 Y = 725887 Z = -581921	28 23 17	LAT. = -19 31 39.2 LONG. = 153 44 33.9 RAD. = 1740921.8	2.3 3.0 26.2
30605	X = -1471484 Y = 705905 Z = -600121	28 30 17	LAT. = -19 31 39.2 LONG. = 153 53 53.4 RAD. = 1744513.1	2.3 3.0 34.1

14-00000 13 00 MAP SHEET 103A (UNCLASSIFIED)

POINT	EASTING	NORTH	UTM	COORDINATE	UTM
30549	X = -1448300 Y = 706746 Z = -668128	35 30 21	LAT. = -22 31 6.2 LONG. = 153 59 18.2 RAD. = 1744551.1	3.0 3.7 34.2	
V0693	X = -1505564 Y = 713075 Z = -498448	25 22 14	LAT. = -16 39 27.3 LONG. = 154 39 23.5 RAD. = 1738863.9	1.6 2.8 24.2	
V0673	X = -1507878 Y = 680531 Z = -529189	26 23 15	LAT. = -17 44 18.4 LONG. = 155 42 34.4 RAD. = 1736911.0	1.8 2.9 24.9	
U1055	X = -1500937 Y = 684423 Z = -545707	29 23 17	LAT. = -18 18 16.7 LONG. = 155 29 13.8 RAD. = 1737539.3	2.2 3.0 26.5	
10939	X = -1498881 Y = 680285 Z = -555469	28 29 25	LAT. = -18 38 50.7 LONG. = 155 35 18.7 RAD. = 1737233.1	2.4 3.7 30.5	
	X = -1492896 Y = 680285 Z = -555469	28 29 25	LAT. = -19 15 28.4 LONG. = 155 35 18.7 RAD. = 1737233.1	2.7 3.7 30.5	
10777	X = -1477899 Y = 684343 Z = -608319	29 29 20	LAT. = -20 28 52.8 LONG. = 155 9 12.1 RAD. = 1738552.5	2.1 3.7 30.2	
32	X = -1474628 Y = 684685 Z = -615447	27 28 20	LAT. = -20 44 1.3 LONG. = 155 5 38.6 RAD. = 1738418.1	2.1 3.7 27.2	
	X = -1522773 Y = 680285 Z = -555469	29 29 25	LAT. = -19 15 28.4 LONG. = 155 35 18.7 RAD. = 1737233.1	2.7 3.7 30.5	
17.0	X = -1524617 Y = 648482 Z = -521573	24 23 17	LAT. = -17 28 27.9 LONG. = 156 57 28.7 RAD. = 1736958.2	1.9 3.1 22.8	
	X = -494039 Y = 643742 Z = 512932	41 37 37	LAT. = -20 20 14.0 LONG. = 156 41 24.2 RAD. = 1734976.7	3.7 3.3 31.3	

TERRAIN POINTS

MAP SHEET 107A (CONTINUED)

POINT	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
V063K	X = -1525045 Y = 623613 Z = -551514	29 24 16	LAT. = -18 30 25.6 LONG. = 157 45 34.7 RAD. = 1737476.0	2.1 3.1 26.9
10945	X = -1512554 Y = 623323 Z = -580518	29 30 24	LAT. = -19 32 13.9 LONG. = 157 36 12.4 RAD. = 1735900.8	2.4 3.9 31.9
10949	X = -1493383 Y = 628858 Z = -619830	30 30 21	LAT. = -20 55 58.2 LONG. = 157 9 51.2 RAD. = 1734890.0	2.2 3.9 31.9
90	X = -1490884 Y = 625540 Z = -630238	28 29 21	LAT. = -21 17 46.2 LONG. = 157 14 17.6 RAD. = 1735291.1	2.2 3.9 28.7
10951	X = -1488109 Y = 629751 Z = -639852	30 31 21	LAT. = -21 36 9.0 LONG. = 157 3 44.8 RAD. = 1737949.2	2.2 3.9 31.5
10951	X = -1554456 Y = 602909 Z = -492799	24 24 15	LAT. = -16 14 4.7 LONG. = 158 39 54.3 RAD. = 1737386.4	1.7 3.0 25.8
V0615	X = -1553113 Y = 602909 Z = -492799	26 24 15	LAT. = -16 28 40.1 LONG. = 158 47 2.7 RAD. = 1737386.4	1.7 3.0 25.8
88	X = -1509110 Y = 567349 Z = -645837	29 30 21	LAT. = -21 49 49.1 LONG. = 159 23 46.6 RAD. = 1736779.3	2.2 4.0 29.7
10795	X = -1508635 Y = 567349 Z = -645837	31 31 21	LAT. = -22 17 21.0 LONG. = 159 21 41.4 RAD. = 1736779.3	2.2 4.0 29.7
10799	X = -1485537 Y = 568391 Z = -697757	33 31 22	LAT. = -23 41 10.9 LONG. = 159 3 44.3 RAD. = 1736880.1	2.6 4.1 32.9

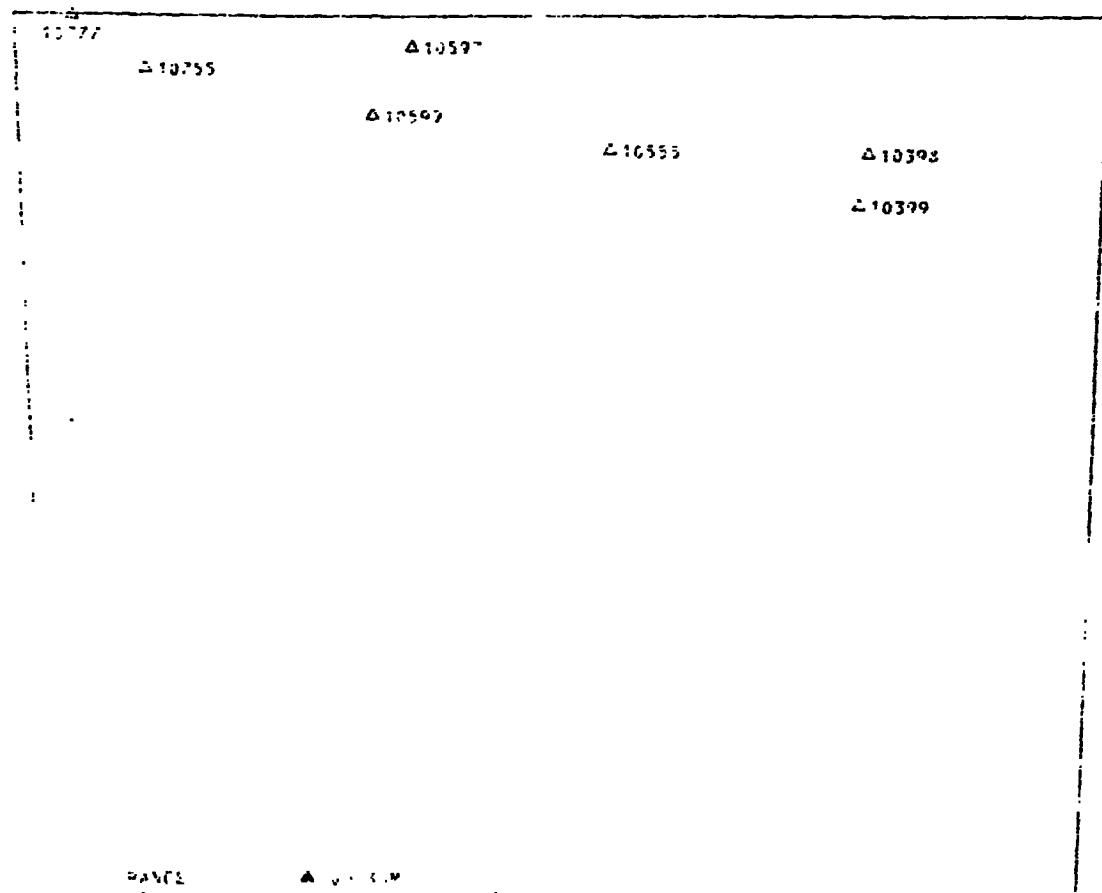
TERMINAL PLACEMENT DATA - 1972

POINT	CARTESIAN	ALT	COORD	ST
V0473	X = -1554101 Y = 541823 Z = -554273	30 25 16	LAT. = -18 36 43.4 LONG. = 160 46 45.8 RAD. = 1735669.3	2.1 3.2 28.0
U0855	X = -1546255 Y = 543883 Z = -573697	30 25 17	LAT. = -19 17 24.7 LONG. = 160 37 15.2 RAD. = 1736617.1	2.3 3.2 28.1
10789	X = -1537303 Y = 559097 Z = -583310	30 32 26	LAT. = -19 37 32.0 LONG. = 160 0 51.6 RAD. = 1736703.8	2.6 4.1 32.8
T128H	X = -1580206 Y = 543500 Z = -482960	27 24 17	LAT. = -16 7 12.2 LONG. = 161 1 11.0 RAD. = 1739451.9	1.8 3.1 27.6
1394	X = -1576089 Y = 535262 Z = -500168	28 25 16	LAT. = -16 43 30.2 LONG. = 161 14 30.4 RAD. = 1738024.3	1.8 3.1 27.7
0771	X = -1567049 Y = 537075 Z = -500168	28 25 16	LAT. = -17 27 51.5 LONG. = 161 14 30.4 RAD. = 1738024.3	1.8 3.1 27.7
1711	X = -1523151 Y = 513642 Z = -557158	32 32 23	LAT. = -22 12 58.3 LONG. = 161 45 51.4 RAD. = 1733041.1	2.3 4.1 33.2
86	X = -1524844 Y = 508179 Z = -660301	30 32 22	LAT. = -22 20 1.0 LONG. = 161 34 6.7 RAD. = 1737639.9	2.3 4.2 30.6
10753	X = -1506232 Y = 511226 Z = -704343	34 32 22	LAT. = -23 53 3.7 LONG. = 161 15 8.7 RAD. = 1739595.9	2.5 4.2 34.0
T1251	X = -1506232 Y = 511226 Z = -704343	34 32 16	LAT. = -23 53 3.7 LONG. = 161 15 8.7 RAD. = 1739595.9	2.5 4.2 26.3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS PROVIDED

T1235	X = -1593641 Y = 471214 Z = -505347	26 24 15	LAT. = -16 54 50.0 LONG. = 163 31 40.5 RAD. = 1736983.1	1.7 3.1 25.3
1392	X = -1593757 Y = 462128 Z = -512836	25 25 16	LAT. = -17 10 25.2 LONG. = 163 49 47.5 RAD. = 1736843.5	1.8 3.2 23.9
V0415	X = -1590038 Y = 458724 Z = -526994	28 25 16	LAT. = -17 39 50.2 LONG. = 163 54 25.9 RAD. = 1736770.5	1.8 3.2 28.0
V0418	X = -1574024 Y = 460835 Z = -570878	30 25 17	LAT. = -19 11 30.3 LONG. = 163 40 52.6 RAD. = 1736612.2	2.1 3.3 28.2
V0431	X = -1562458 Y = 472975 Z = -592308	31 25 17	LAT. = -19 56 31.8 LONG. = 163 9 29.9 RAD. = 1736608.6	2.4 3.3 28.5
	X = -154102	33	LAT. = -22 19 5.8	2.4
	X = -1535523 Y = 447719 Z = -672597	31 33 22	LAT. = -22 48 26.8 LONG. = 163 44 40.8 RAD. = 1735127.7	2.4 4.4 31.6
10595	X = -1532489 Y = 446445 Z = -680343	34 34 23	LAT. = -23 5 6.3 LONG. = 163 45 29.1 RAD. = 1735137.2	2.4 4.4 35.1
	X = -1501084 Y = 441175 Z = -615102	30 30 14	LAT. = -20 46 50.2 LONG. = 163 27 23.6 RAD. = 1733007.4	2.7 3.4 25.7
T1000	X = -1606698 Y = 425778 Z = -514423	26 25 15	LAT. = -17 11 48.6 LONG. = 165 0 27.6 RAD. = 1739941.8	1.8 3.2 25.5
V0414	X = -1583957 Y = 397245 Z = -525579	41 30 10	LAT. = -19 42 20.3 LONG. = 165 56 17.0 RAD. = 1736653.5	3.0 3.5 38.5
	X = -1583957 Y = 397245 Z = -525579	41 30 10	LAT. = -19 42 20.3 LONG. = 165 56 17.0 RAD. = 1736653.5	3.0 3.5 38.5

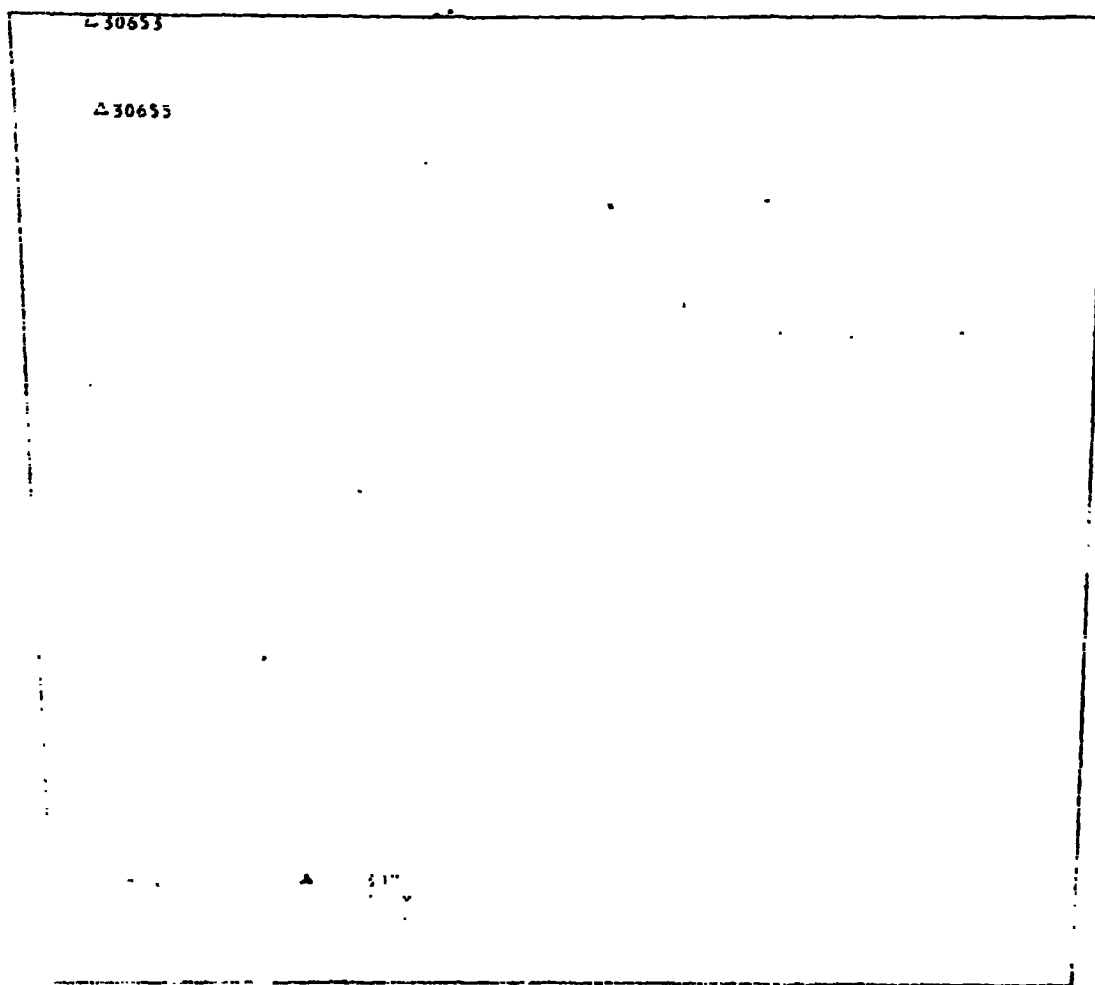
82	X = -1549954	32	LAT. = -23 14 57.7	2.4
	Y = 388234	34	LONG. = 165 56 16.2	4.5
	Z = -686464	23	RAD. = 1739055.9	32.5
10551	X = -1542189	35	LAT. = -23 49 .8	2.5
	Y = 385858	35	LONG. = 165 57 10.4	4.6
	Z = -701713	23	RAD. = 1737709.7	35.8
T108H	X = -1612179	35	LAT. = -17 29 23.3	1.9
	Y = 392314	30	LONG. = 166 19 23.8	3.5
	Z = -522827	19	RAD. = 1739649.5	37.2
1390	X = -1610785	25	LAT. = -17 38 21.4	1.9
	Y = 388139	26	LONG. = 166 27 7.6	3.3
	Z = -526847	17	RAD. = 1738633.7	24.8
10545	X = -1575307	32	LAT. = -21 26 31.2	2.7
	Y = 378345	35	LONG. = 166 29 41.8	4.5
	Z = -656283	27	RAD. = 1740573.5	35.4
	X = -1554237	37	LAT. = -22 51 35.4	2.4
	Z = -500022	17		
V0504	X = -1611447	28	LAT. = -17 44 31.7	3.4
	Y = 351869	28	LONG. = 167 44 31.7	3.4
	Z = -529819	20	RAD. = 1738971.2	35.6
T1055	X = -1620796	28	LAT. = -17 53 7.1	1.9
	Y = 339059	26	LONG. = 168 10 54.1	3.1
	Z = -534240	16	RAD. = 1739556.7	26.9
80	X = -1555533	33	LAT. = -23 39 31.4	2.5
	Y = 327377	35	LONG. = 168 3 26.6	4.7
	Z = -613701	13	RAD. = 1738655.6	33.6
10724	X = -1555137	35	LAT. = -23 39 31.4	2.5
	Y = 327377	35	LONG. = 168 3 26.6	4.7
	Z = -613701	13	RAD. = 1738655.6	33.6



MAP SHEET 1050

SHEET 1000

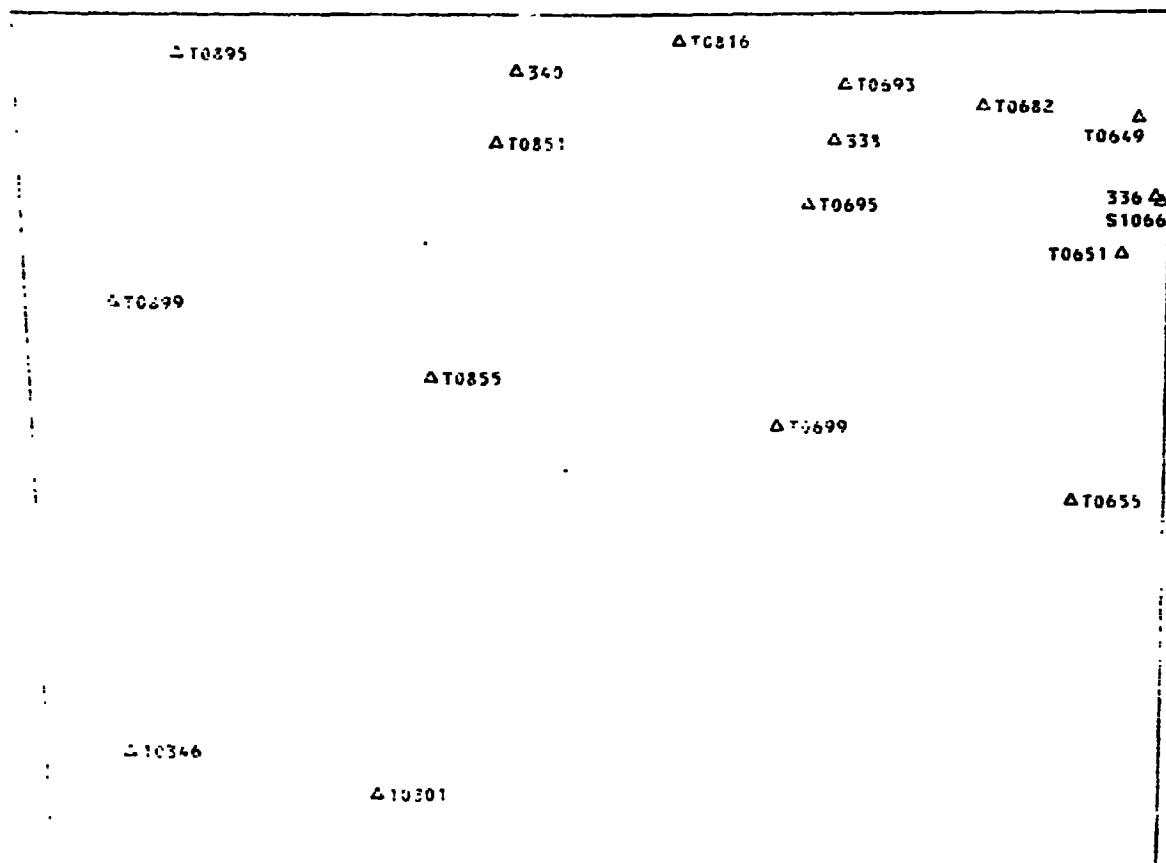
POINT	CARTESIAN	STD	SPHERICAL	STD
10777	X = -1498484 Y = 529996 Z = -708004	42 34 23	LAT. = -24 0 36.3 LONG. = 160 31 18.9 RAD. = 1740006.0	3.2 4.2 40.1
10755	X = -1496363 Y = 510391 Z = -718531	35 32 22	LAT. = -24 26 26.3 LONG. = 161 9 58.1 RAD. = 1736631.6	2.7 4.3 34.5
10597	X = -1520953 Y = 446934 Z = -714454	45 34 23	LAT. = -24 15 37.5 LONG. = 163 37 28.3 RAD. = 1738819.6	2.9 4.7 42.9
10599	X = -1510146 Y = 454328 Z = -729715	35 33 23	LAT. = -24 49 51.6 LONG. = 163 15 21.8 RAD. = 1737653.7	2.7 4.4 34.9
10555	X = -1522812 Y = 395268 Z = -737558	36 35 23	LAT. = -25 7 2.6 LONG. = 165 26 57.0 RAD. = 1737579.7	2.8 4.6 36.0
10550	X = -1536215 Y = 331177 Z = -754111	37 36 24	LAT. = -25 8 31.3 LONG. = 167 30 4.3 RAD. = 1736173.1	2.7 4.7 37.2
10399	X = -1550488 Y = 332143 Z = -749367	38 36 24	LAT. = -25 34 13.5 LONG. = 167 45 14.0 RAD. = 1736173.1	2.8 4.8 37.2



MAP SHEET 103D

[illegible]

POINT	EASTING	NORTH	HEIGHT	GEOD. LAT.	GEOD. LONG.	STATION
30653	X = -1388172	34	LAT. = -24 5 41.8	2.5		
	Y = 777654	35	LONG. = 150 44 31.7	3.6		
	Z = -710480	17	RAD. = 1742573.9	37.4		
30655	X = -1379366	36	LAT. = -24 47 4.5	3.1		
	Y = 771189	36	LONG. = 150 47 27.3	3.7		
	Z = -722690	18	RAD. = 1740641.3	38.4		



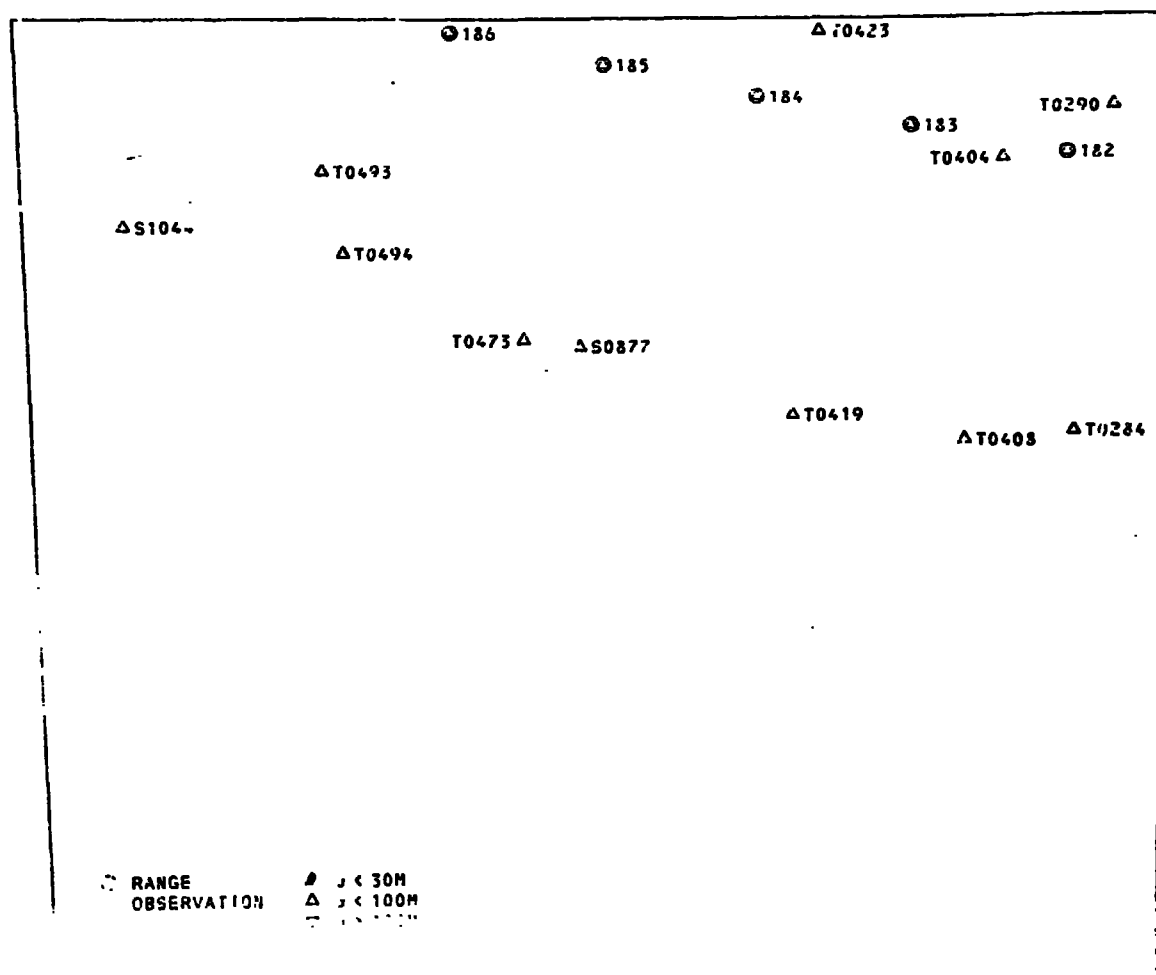
MAP SHEET 104A

PERMANENT POINTS ON MAP SHEET 1044

POINT	CARTESIAN COORDINATES	SIC	SPHERICAL COORDINATES	STD DEV
T0899	X = -1627367 Y = 264980 Z = -547302	31 28 17	LAT. = -18 21 47.0 LONG. = 170 45 6.6 RAD. = 1737261.5	2.3 3.6 29.2
10346	X = -1588153 Y = 258704 Z = -652457	35 38 30	LAT. = -22 4 18.2 LONG. = 170 44 52.8 RAD. = 1737334.4	2.9 4.8 38.6
10349	X = -1569867 Y = 264866 Z = -694215	45 38 33	LAT. = -23 33 34.6 LONG. = 170 25 24.0 RAD. = 1736828.0	2.8 5.1 49.6
T0895	X = -1647731 Y = 249408 Z = -487994	29 28 16	LAT. = -16 19 17.0 LONG. = 171 23 34.0 RAD. = 1736478.7	1.9 3.5 29.3
10301	X = -1593358 Y = 196884 Z = -663316	41 46 44	LAT. = -22 26 54.1 LONG. = 172 57 21.4 RAD. = 1737106.7	3.8 5.7 51.2
-	X = -1632777 Y = 170000 Z = -570000	32 30 20	LAT. = -18 59 53.9 LONG. = 173 30 57.7 RAD. = 1737177.0	2.4 3.7 20.7
344	X = -1655848 Y = 160000 Z = -491890	30 30 17	LAT. = -16 28 3.4 LONG. = 174 12 33.2 RAD. = 1735223.9	1.9 3.7 30.5
T0851	X = -1650209 Y = 169918 Z = -509076	31 30 17	LAT. = -17 3 34.7 LONG. = 174 7 16.0 RAD. = 1735286.6	2.0 3.7 30.5
-	X = -1667300 Y = 160000 Z = -500000	30 30 10	LAT. = -16 13 14.7 LONG. = 175 44 33.0 RAD. = 1734194.0	1.8 3.7 10.0
10095	X = -1654680 Y = 91007 Z = -525077	31 31 17	LAT. = -17 34 50.8 LONG. = 176 51 6.8 RAD. = 1738376.9	2.0 3.9 30.9
T0639	X = -1636951 Y = 97945 Z = -578028	32 31 18	LAT. = -19 24 59.4 LONG. = 176 34 53.3 RAD. = 1738768.6	2.4 3.9 31.0
-	X = -1640000 Y = 100000 Z = -500000	31 31 17	LAT. = -19 00 00.0 LONG. = 176 00 00.0 RAD. = 1738000.0	2.0 3.0 30.0

TERMINAL POINTS ON MAP SHEET 144 (CONTINUED)

POINT	CARTESIAN COORDINATES	STD DE	SPHERICAL COORDINATES	STD DE.
338	X = -1659892 Y = 84698 Z = -509741	31 31 17	LAT. = -17 3 1.6 LONG. = 177 4 44.2 RAD. = 1738462.1	2.0 3.9 30.9
T3632	X = -1664700 Y = 47026 Z = -501964	30 32 17	LAT. = -16 46 24.8 LONG. = 178 22 54.8 RAD. = 1739369.1	1.9 3.9 30.7
T0649	X = -1661321 Y = 7719 Z = -503974	30 32 17	LAT. = -16 52 31.4 LONG. = 179 44 1.7 RAD. = 1736098.2	1.9 4.0 30.8
336	X = -1655148 Y = 3216 Z = -522847	38 35 19	LAT. = -17 31 51.0 LONG. = 179 53 19.2 RAD. = 1735769.4	2.1 4.3 39.0
S1066	X = -1654792 Y = 1804 Z = -524010	38 34 19	LAT. = -17 34 15.7 LONG. = 179 56 15.2 RAD. = 1735778.2	2.6 4.2 36.2
335	X = -1650759 Y = 11847 Z = -524134	39 31 19	LAT. = -17 59 58.0 LONG. = 179 59 11.1 RAD. = 1735778.2	2.2 4.2 36.2
335	X = -1631195 Y = 23162 Z = -595155	43 33 22	LAT. = -20 2 35.0 LONG. = 179 11 11.3 RAD. = 1736531.5	3.4 4.2 38.8



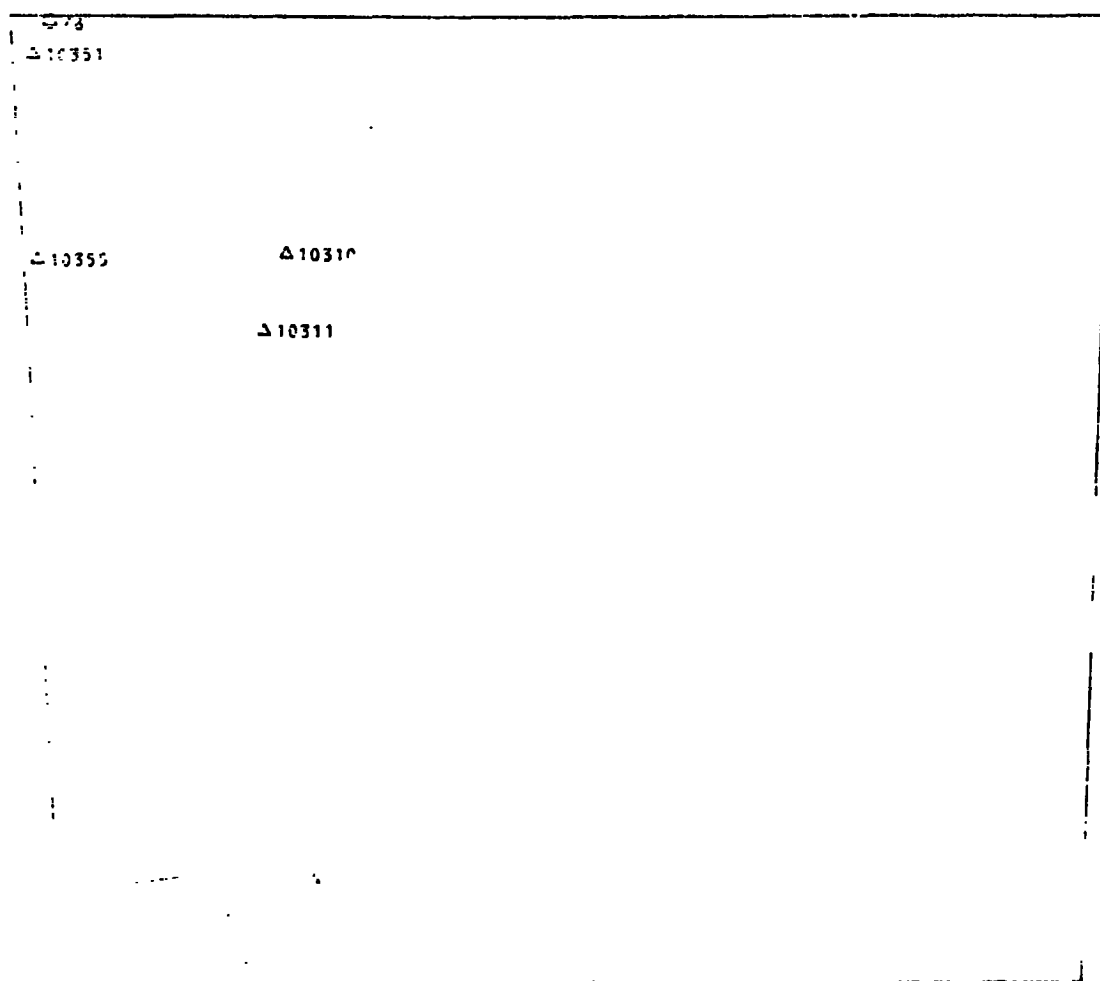
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TERNAL POINTS ON MAP SHEET 10-43

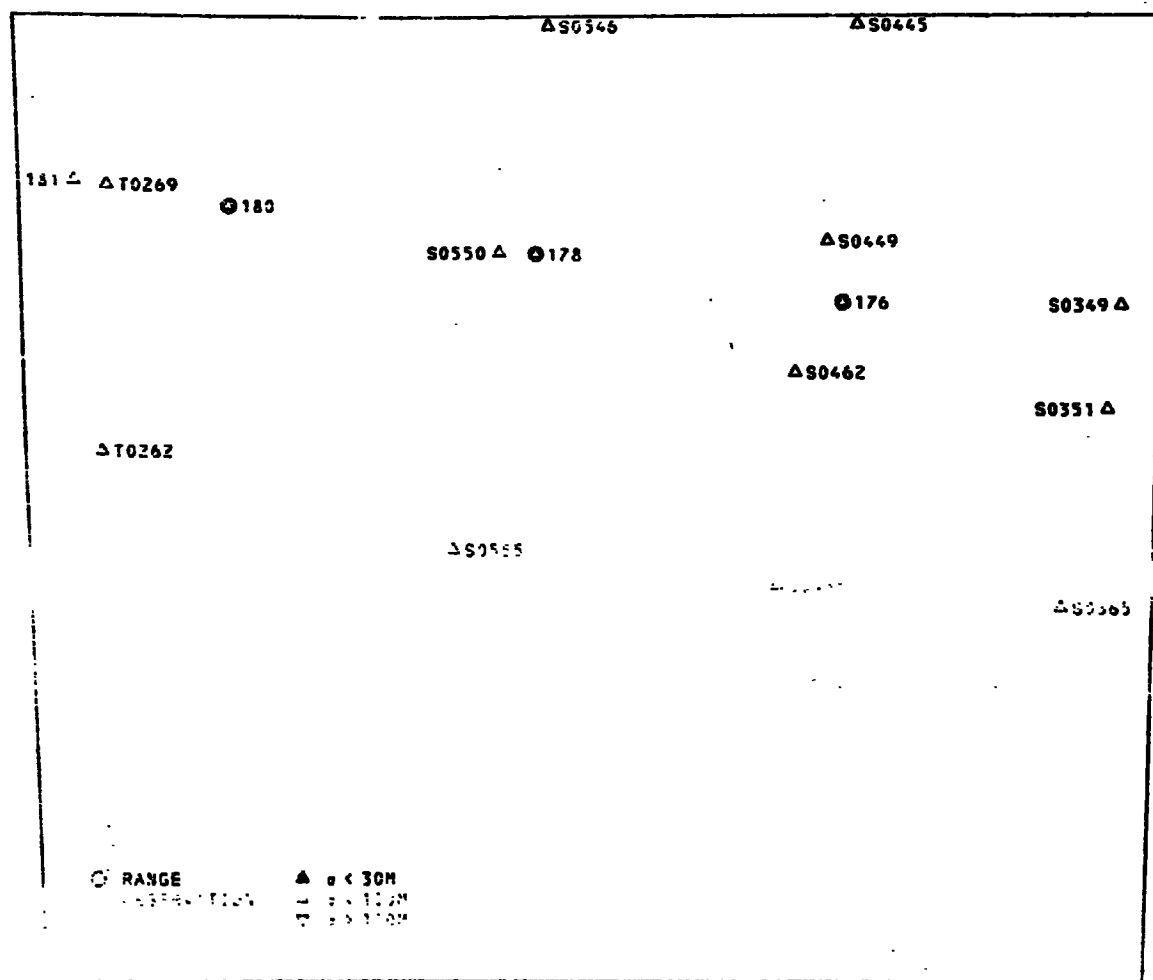
POINT	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
S1044	X = -1655375 Y = -25484 Z = -528669	38 35 19	LAT. = -17 42 34.9 LONG. = 180 52 55.1 RAD. = 1737931.6	2.5 4.3 36.9
T0495	X = -1658306 Y = -76305 Z = -515658	32 34 17	LAT. = -17 15 22.1 LONG. = 182 38 4.3 RAD. = 1738305.2	2.0 4.3 32.2
T0494	X = -1651532 Y = -80874 Z = -535370	32 35 18	LAT. = -17 56 26.9 LONG. = 182 48 12.6 RAD. = 1738021.8	2.1 4.3 32.2
186	X = 1668143 Y = -110214 Z = -482901	30 35 18	LAT. = -16 6 41.8 LONG. = 183 46 48.1 RAD. = 1740127.2	2.0 4.3 30.7
T0473	X = -1641871 Y = -125823 Z = -556483	41 36 21	LAT. = -18 40 20.1 LONG. = 184 22 56.0 RAD. = 1738173.4	2.9 4.5 38.7
	X = -1639531 Y = -125823 Z = -556483	43 37 21	LAT. = -18 43 35.0 LONG. = 184 22 56.0 RAD. = 1738173.4	3.0 4.5 38.7
	X = -1633974 Y = -148919 Z = -491310	30 36 18	LAT. = -16 23 16.6 LONG. = 185 6 50.8 RAD. = 1741370.8	2.0 4.4 31.5
T0423	X = -1659875 Y = -203756 Z = -483019	39 38 23	LAT. = -16 6 36.9 LONG. = 186 59 53.8 RAD. = 1740692.3	2.3 4.6 41.8
	X = -1659875 Y = -203756 Z = -483019	39 38 23	LAT. = -16 6 36.9 LONG. = 186 59 53.8 RAD. = 1740692.3	2.3 4.6 41.8
T0419	X = -1631705 Y = -193044 Z = -575472	43 39 22	LAT. = -19 18 8.1 LONG. = 186 44 49.9 RAD. = 1740946.8	3.2 4.7 41.3
	X = -1649100 Y = -225639 Z = -505128	43 39 22	LAT. = -19 18 8.1 LONG. = 186 44 49.9 RAD. = 1740946.8	3.2 4.7 41.3
	X = -1649100 Y = -225639 Z = -505128	43 39 22	LAT. = -19 18 8.1 LONG. = 186 44 49.9 RAD. = 1740946.8	3.2 4.7 41.3

POINT	COORDINATES	HEIGHT	STATION	STATION
T0408	X = -1621572 Y = -235485 Z = -580742	44 40 22	LAT. = -19 30 54.7 LONG. = 138 15 45.9 RAD. = 1738450.9	3.2 4.8 42.6
T0290	X = -1644480 Y = -276012 Z = -501882	40 40 24	LAT. = -16 45 3.0 LONG. = 189 31 40.1 RAD. = 1741373.4	2.3 4.8 43.8
182	X = -1642985 Y = -264181 Z = -513001	33 39 20	LAT. = -17 8 .1 LONG. = 189 8 4.5 RAD. = 1741367.4	2.2 4.7 34.8
T0284	X = -1622034 Y = -262954 Z = -580039	44 41 22	LAT. = -19 26 31.4 LONG. = 189 12 29.0 RAD. = 1742626.7	3.1 4.9 43.3



MAP SHEET 1040

78	X = -1563997	34	LAT. = -24 2 39.0	2.6	
	Y = 265983	37	LONG. = 170 20 53.3	4.9	
	Z = -707800	24	RAD. = 1737185.5	34.7	
10351	X = -1559621	48	LAT. = -24 18 45.4	2.7	
	Y = 269766	33	LONG. = 170 11 12.1	5.2	
	Z = -15072	28	RAD. = 1736313.4	49.6	
10355	X = -1538700	39	LAT. = -25 59 43.7	3.0	
	Y = 267845	37	LONG. = 170 7 31.2	4.9	
	Z = -761607	24	RAD. = 1737637.1	38.7	
10310	X = -1545292	55	LAT. = -25 57 23.4	3.9	
	Y = 205568	44	LONG. = 172 25 21.0	5.5	
	Z = -758864	25	RAD. = 1733799.5	52.9	
10311	X = -1536130	58	LAT. = -26 35 24.6	4.6	
	Y = 210569	43	LONG. = 172 11 40.8	5.4	
	Z = -776097	27	RAD. = 1733886.1	52.7	



MAP SHEET 105A

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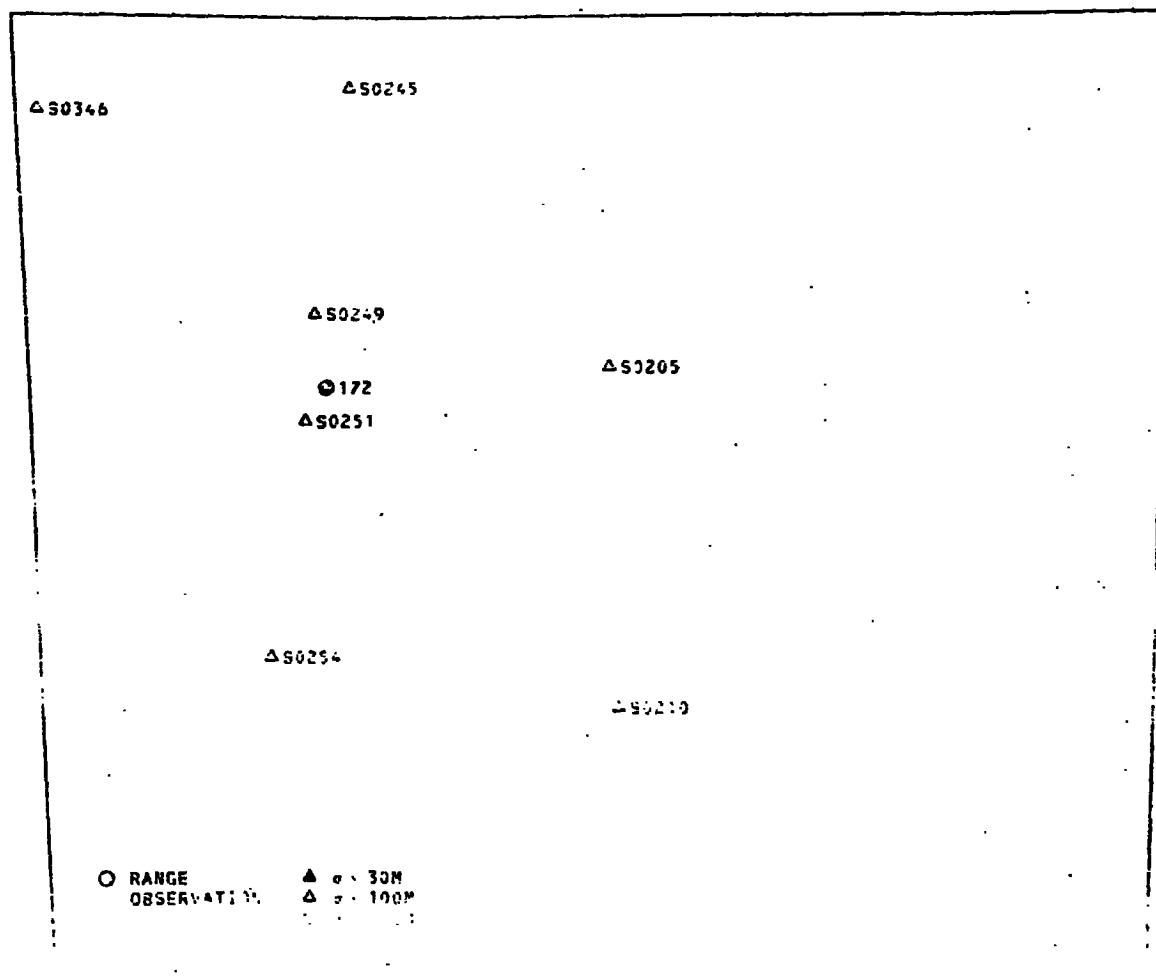
TERRAIN POINTS ON MAP SHEET 105A

POINT	CARTESIAN COORDINATES	STD DEV	SPHERICAL COORDINATES	STD DEV
181	X = -1631588 Y = -301781 Z = -518610	34 40 21	LAT. = -17 21 24.7 LONG. = 190 28 44.7 RAD. = 1738421.4	2.3 4.8 35.6
T0269	X = -1629515 Y = -309871 Z = -519565	42 40 22	LAT. = -17 23 32.2 LONG. = 190 46 .8 RAD. = 1738185.2	2.3 4.8 43.9
T0262	X = -1609808 Y = -303296 Z = -583381	45 40 23	LAT. = -19 36 7.7 LONG. = 190 40 11.0 RAD. = 1738909.1	3.2 4.9 43.5
180	X = -1621692 Y = -339553 Z = -524676	34 41 21	LAT. = -17 34 17.1 LONG. = 191 49 33.2 RAD. = 1737948.7	2.4 4.9 36.4
S0555	X = -1580892 Y = -387521 Z = -606147	41 42 24	LAT. = -20 25 30.4 LONG. = 193 46 23.6 RAD. = 1736895.4	3.0 5.1 41.0
S0541	X = -1621825 Y = -423627 Z = -537110	38 42 23	LAT. = -16 4 40.0 LONG. = 194 38 13.9 RAD. = 1744468.5	2.6 5.0 40.4
S0550	X = -1602871 Y = -405676 Z = -536024	39 41 23	LAT. = -17 57 44.4 LONG. = 194 12 10.5 RAD. = 1738128.8	2.4 5.1 41.0
178	X = -1600725 Y = -414601 Z = -536434	36 45 24	LAT. = -17 58 25.7 LONG. = 194 31 15.5 RAD. = 1738383.5	2.6 5.4 38.6
S0552	X = -1572706 Y = -475109 Z = -556136	39 44 23	LAT. = -18 57 10.7 LONG. = 196 43 33.7 RAD. = 1707759.1	2.6 5.1 41.5
S0455	X = -1556928 Y = -465806 Z = -614822	40 44 24	LAT. = -20 43 22.4 LONG. = 196 39 22.5 RAD. = 1737528.5	2.9 5.4 41.4
S0445	X = -1599340 Y = -499182 Z = -482711	33 44 27	LAT. = -16 4 20.3 LONG. = 197 20 2.6 RAD. = 1743583.4	2.8 5.3 41.1
	X = -157114 Y = -45714 Z = -537110	34 44 23	LAT. = -17 34 17.1 LONG. = 191 49 33.2 RAD. = 1737948.7	2.4 4.9 36.4

Area

TERRAIN POINTS ON MAP SHEET 195A (CONTINUED)

POINT NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
176	X = -1575151 Y = -488332 Z = -547736	36 44 23	LAT. = -18 22 24.2 LONG. = 197 13 28.6 RAD. = 1737694.5	2.6 5.4 39.0
S0349	X = -1553370 Y = -555407 Z = -548653	42 45 25	LAT. = -18 23 46.3 LONG. = 199 40 28.2 RAD. = 1738520.9	2.6 5.6 44.4
S0351	X = -1545978 Y = -549668 Z = -573254	43 45 24	LAT. = -19 15 29.8 LONG. = 199 34 21.7 RAD. = 1738045.9	2.7 5.6 44.4
S0365	X = -1533181 Y = -533798 Z = -620141	44 45 25	LAT. = -20 54 22.9 LONG. = 199 11 46.6 RAD. = 1737861.0	3.2 5.6 44.4



MAP SHEET 105B

TERRAIN POINTS ON MAP SHEET 105B

POINT	CARTESIAN COORDINATE	STD DEV	SPHERICAL POSITION	STD DEV
S0346	X = -1564566 Y = -575097 Z = -502255	41 46 29	LAT. = -16 46 4.7 LONG. = 200 10 56.0 RAD. = 1740937.3	2.9 5.6 44.1
S0245	X = -1538763 Y = -649730 Z = -497419	41 49 29	LAT. = -16 35 .8 LONG. = 202 53 29.4 RAD. = 1742804.6	3.0 6.0 43.9
S0249	X = -1523394 Y = -632431 Z = -550643	42 49 26	LAT. = -18 27 38.6 LONG. = 202 32 44.2 RAD. = 1738938.0	2.7 6.0 44.2
172	X = -1516428 Y = -632199 Z = -568168	39 50 25	LAT. = -19 4 36.0 LONG. = 202 37 52.6 RAD. = 1738403.1	2.7 6.1 41.4
S0251	X = -1515732 Y = -625883 Z = -576047	42 49 25	LAT. = -19 21 18.5 LONG. = 202 26 12.9 RAD. = 1738103.4	2.7 6.1 44.3
S0254	X = -1500456 Y = -603525 Z = -631812	44 49 26	LAT. = -21 19 6.2 LONG. = 202 4 31.8 RAD. = 1738086.7	3.2 6.1 44.3
S0203	X = -1489994 Y = -699881 Z = -564138	54 51 29	LAT. = -18 54 58.8 LONG. = 205 9 37.5 RAD. = 1740162.8	2.8 6.6 54.3
S0210	X = -1461093 Y = -687996 Z = -644298	62 51 29	LAT. = -21 44 58.9 LONG. = 205 12 53.0 RAD. = 1738749.9	4.4 6.8 55.3

APPENDIX B

EXPOSURE STATION
POSITIONS

APPENDIX B

EXPOSURE STATION
POSITIONS

The exposure station positions listed in this appendix are in the True Selenographic Coordinate System and are referred to the center of mass of the Moon as defined by the orbit of revolution 44 of Mission 15. The Eckhardt model for lunar librations, described in an earlier section of this report, was used to transform the stellar orientations into the True Selenographic Coordinate system. The photogrammetric block was adjusted, completely free of orbital constraints, using an assumed position for one terrain point as the only position constraint. Scale was controlled by the altimeter observations and orientation by the stellar attitudes. After adjustment the entire block was translated, but not rotated, to best fit the orbit of revolution 44, thus minimizing the differences between these data and the DMA control net.

Each exposure station position is given in both Cartesian and spherical coordinates. Cartesian coordinates and their standard deviations are in meters. Latitudes and longitudes are given in degrees, minutes, and seconds and their standard deviations are in seconds of arc. Radial distances and their standard deviations are in meters. All frame numbers on Missions 15 and 17 are those assigned by NASA, while frame numbers on Mission 16 are those assigned by DMATC.

EXPOSURE STATIONS
MISSION 15 - REV 4

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0076	X = -1658658 Y = 215138 Z = -759543	36 40 26	LAT. = -24 25 25.9 LONG. = 172 36 34.8 RAD. = 1836936.6	2.6 5.0 37.3
0078	X = -1652762 Y = 280351 Z = -748914	34 36 24	LAT. = -24 4 21.2 LONG. = 170 22 22.1 RAD. = 1836053.1	2.4 4.5 34.7
0080	X = -1644689 Y = 344892 Z = -737324	33 35 24	LAT. = -23 41 24.2 LONG. = 168 9 24.0 RAD. = 1835101.5	2.5 4.4 33.6
0082	X = -1634410 Y = 409070 Z = -724746	32 34 23	LAT. = -23 16 31.8 LONG. = 165 56 54.0 RAD. = 1834091.9	2.3 4.2 32.5
0084	X = -1621924 Y = 472774 Z = -711192	31 32 23	LAT. = -22 49 46.2 LONG. = 163 44 56.9 RAD. = 1833016.2	2.3 4.1 31.6
0086	X = -1607290 Y = 535819 Z = -696686	30 31 22	LAT. = -22 21 10.0 LONG. = 161 33 47.8 RAD. = 1831898.9	2.2 3.9 30.6
0088	X = -1590503 Y = 598154 Z = -681276	30 30 23	LAT. = -21 50 49.5 LONG. = 159 23 23.3 RAD. = 1830743.7	2.4 3.8 29.7
0090	X = -1571598 Y = 659642 Z = -664952	28 28 21	LAT. = -21 18 44.8 LONG. = 157 13 51.2 RAD. = 1829538.5	2.1 3.6 28.7
0092	X = -1550582 Y = 720285 Z = -647725	27 27 20	LAT. = -20 44 57.2 LONG. = 155 5 2.1 RAD. = 1828295.3	2.0 3.5 27.2
0094	X = -1527505 Y = 779885 Z = -629681	27 26 19	LAT. = -20 9 37.5 LONG. = 152 57 10.4 RAD. = 1827017.1	1.9 3.3 26.5
0096	X = -1502347 Y = 838485 Z = -610770	25 25 19	LAT. = -19 32 40.8 LONG. = 150 50 .2 RAD. = 1825690.2	1.9 3.2 25.4

EXPOSURE STATIONS
MISSION 15 - REV 4
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0098	X = -1475151	25	LAT. = -18 54 11.3	1.8
	Y = 895984	23	LONG. = 148 43 34.1	2.9
	Z = -591026	18	RAD. = 1824327.3	25.1
0100	X = -1445979	30	LAT. = -18 14 13.7	2.5
	Y = 952231	27	LONG. = 146 38 1.1	3.7
	Z = -570426	23	RAD. = 1822924.3	26.0

EXPOSURE STATIONS

MISSION 15 - REV 16

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0292	X = -1504959 Y = 822736 Z = -707720	27 26 20	LAT. = -22 25 20.1 LONG. = 151 20 7.1 RAD. = 1855442.3	2.1 3.3 25.5
0294	X = -1471757 Y = 895632 Z = -689631	24 21 16	LAT. = -21 48 55.6 LONG. = 148 40 39.2 RAD. = 1855752.2	1.6 2.8 22.9
0296	X = -1435669 Y = 966707 Z = -670219	22 20 17	LAT. = -21 10 4.5 LONG. = 146 2 44.3 RAD. = 1856033.5	1.7 2.6 22.2
0298	X = -1396749 Y = 1035901 Z = -649440	21 18 16	LAT. = -20 28 43.8 LONG. = 143 26 14.9 RAD. = 1856279.0	1.6 2.5 19.5
0300	X = -1355095 Y = 1103028 Z = -627448	20 17 17	LAT. = -19 45 11.9 LONG. = 140 51 17.7 RAD. = 1856514.3	1.7 2.4 18.5
0302	X = -1310799 Y = 1167969 Z = -604210	20 17 14	LAT. = -18 59 27.2 LONG. = 138 17 52.1 RAD. = 1856721.9	1.5 2.3 17.8
0304	X = -1263935 Y = 1230639 Z = -579782	19 17 13	LAT. = -18 11 36.7 LONG. = 135 45 53.0 RAD. = 1856919.9	1.4 2.3 17.4
0306	X = -1214553 Y = 1290912 Z = -554227	19 17 13	LAT. = -17 21 50.0 LONG. = 133 15 15.5 RAD. = 1857083.7	1.3 2.3 16.9
0308	X = -1162875 Y = 1348551 Z = -527634	19 17 12	LAT. = -16 30 18.0 LONG. = 130 46 18.0 RAD. = 1857220.0	1.2 2.2 16.9
0310	X = -1108902 Y = 1403574 Z = -500006	18 16 11	LAT. = -15 37 1.4 LONG. = 128 18 38.5 RAD. = 1857333.7	1.2 2.1 16.2
0312	X = -1052740 Y = 1455891 Z = -471391	17 16 11	LAT. = -14 42 5.8 LONG. = 125 52 13.1 RAD. = 1857441.5	1.2 2.1 15.6

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0314	X = -994510 Y = 1505353 Z = -441838	17 16 13	LAT. = -13 45 38.1 LONG. = 123 27 2.6 RAD. = 1857514.2	1.4 2.0 15.5
0316	X = -934330 Y = 1551855 Z = -411441	15 15 13	LAT. = -12 47 48.9 LONG. = 121 3 3.6 RAD. = 1857554.7	1.4 1.8 15.3
0318	X = -872336 Y = 1595325 Z = -380236	15 15 15	LAT. = -11 48 41.7 LONG. = 118 40 12.7 RAD. = 1857582.3	1.6 1.7 15.3
0320	X = -808617 Y = 1635672 Z = -348329	15 15 15	LAT. = -10 48 28.6 LONG. = 116 18 22.1 RAD. = 1857583.8	1.7 1.6 15.3
0322	X = -743303 Y = 1672815 Z = -315708	14 15 16	LAT. = - 9 47 7.7 LONG. = 113 57 27.5 RAD. = 1857547.0	1.7 1.5 15.4
0324	X = -676577 Y = 1706638 Z = -282471	14 15 15	LAT. = - 8 44 49.6 LONG. = 111 37 31.0 RAD. = 1857460.1	1.6 1.5 15.3
0326	X = -608614 Y = 1737145 Z = -248777	13 14 12	LAT. = - 7 41 49.8 LONG. = 109 18 29.0 RAD. = 1857410.9	1.3 1.4 15.0
0328	X = -539426 Y = 1764244 Z = -214542	14 14 12	LAT. = - 6 37 59.5 LONG. = 107 0 4.6 RAD. = 1857300.3	1.3 1.5 14.2
0330	X = -469240 Y = 1787895 Z = -179929	12 13 11	LAT. = - 5 33 34.9 LONG. = 104 42 20.9 RAD. = 1857183.3	1.2 1.3 13.7
0332	X = -398071 Y = 1808088 Z = -144928	12 13 10	LAT. = - 4 28 33.7 LONG. = 102 24 58.4 RAD. = 1857053.8	1.1 1.3 13.4
0334	X = -376167 Y = 1824700 Z = -109691	11 13 9	LAT. = - 3 23 11.8 LONG. = 100 8 4.7 RAD. = 1856864.6	1.0 1.2 12.7

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EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0336	X = -253657 Y = 1837785 Z = -74251	12 12 9	LAT. = - 2 17 30.9 LONG. = 97 51 30.6 RAD. = 1856693.1	1.0 1.3 12.2
0338	X = -180580 Y = 1847267 Z = -38634	11 11 8	LAT. = - 1 11 32.8 LONG. = 95 34 59.6 RAD. = 1856474.7	.9 1.2 11.1
0340	X = -107200 Y = 1853131 Z = -2960	9 11 7	LAT. = - 0 5 28.9 LONG. = 93 18 38.8 RAD. = 1856231.1	.8 1.0 11.3
0342	X = -33540 Y = 1855383 Z = 32760	10 11 7	LAT. = 1 0 41.0 LONG. = 91 2 8.3 RAD. = 1855975.7	.8 1.1 10.9
0344	X = 40250 Y = 1854013 Z = 68420	11 11 8	LAT. = 2 6 46.7 LONG. = 88 45 22.8 RAD. = 1855712.1	.8 1.3 11.4
0346	X = 113961 Y = 1849001 Z = 103995	12 12 8	LAT. = 3 12 47.0 LONG. = 86 28 23.1 RAD. = 1855426.0	.8 1.3 11.8
0348	X = 187411 Y = 1840342 Z = 139311	12 12 8	LAT. = 4 18 24.3 LONG. = 84 11 7.2 RAD. = 1855098.1	.9 1.4 12.3
0350	X = 260369 Y = 1828029 Z = 174307	13 15 9	LAT. = 5 23 33.8 LONG. = 81 53 37.6 RAD. = 1854687.8	1.0 1.4 14.7
0352	X = 332869 Y = 1812254 Z = 208966	12 14 9	LAT. = 6 28 13.0 LONG. = 79 35 31.6 RAD. = 1854381.7	1.0 1.4 14.1
0354	X = 404745 Y = 1792848 Z = 243252	12 15 9	LAT. = 7 32 21.1 LONG. = 77 16 42.3 RAD. = 1853994.5	1.0 1.4 14.4
0356	X = 475807 Y = 1769916 Z = 277031	13 14 9	LAT. = 8 35 43.8 LONG. = 74 57 10.4 RAD. = 1853575.7	1.0 1.4 14.0

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0358	X = 545894 Y = 1743541 Z = 310306	14 15 10	LAT. = 9 38 21.8 LONG. = 72 36 53.7 RAD. = 1853166.4	1.1 1.6 14.4
0360	X = 614921 Y = 1713760 Z = 342937	13 14 10	LAT. = 10 40 .1 LONG. = 70 15 40.8 RAD. = 1852756.7	1.1 1.5 13.7
0362	X = 682729 Y = 1680580 Z = 374902	14 15 10	LAT. = 11 40 38.0 LONG. = 67 53 26.7 RAD. = 1852301.5	1.1 1.6 14.7
0364	X = 749238 Y = 1644101 Z = 406158	15 15 11	LAT. = 12 40 9.6 LONG. = 65 30 2.3 RAD. = 1851861.5	1.2 1.8 15.1
0366	X = 814352 Y = 1604322 Z = 436629	15 15 11	LAT. = 13 38 27.6 LONG. = 63 5 15.8 RAD. = 1851395.2	1.1 1.8 14.7
0368	X = 874353 Y = 1563830 Z = 464647	15 15 11	LAT. = 14 32 19.3 LONG. = 60 47 24.0 RAD. = 1850932.9	1.2 1.8 15.2
0370	X = 931774 Y = 1521401 Z = 491358	16 15 10	LAT. = 15 23 54.2 LONG. = 58 30 53.4 RAD. = 1850485.2	1.1 1.9 14.2
0372	X = 987644 Y = 1476341 Z = 517243	15 15 10	LAT. = 16 14 8.2 LONG. = 56 13 5.6 RAD. = 1850017.4	1.1 1.9 14.1
0374	X = 1041790 Y = 1428770 Z = 542247	17 15 11	LAT. = 17 2 54.7 LONG. = 53 54 8.2 RAD. = 1849525.1	1.2 2.1 14.4
0376	X = 1094170 Y = 1378771 Z = 566340	16 15 11	LAT. = 17 50 8.4 LONG. = 51 33 54.2 RAD. = 1849042.6	1.2 2.0 14.6
0378	X = 1144620 Y = 1326482 Z = 589456	17 16 11	LAT. = 18 35 41.2 LONG. = 49 12 32.9 RAD. = 1848558.4	1.2 2.1 15.1

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0380	X = 1193122 Y = 1271941 Z = 611549	17 16 12	LAT. = 19 19 26.9 LONG. = 46 49 52.9 RAD. = 1848070.9	1.2 2.2 15.5
0382	X = 1239598 Y = 1215172 Z = 632606	17 16 12	LAT. = 20 1 24.0 LONG. = 44 25 47.6 RAD. = 1847548.7	1.2 2.2 15.4
0384	X = 1283976 Y = 1156312 Z = 652615	18 17 13	LAT. = 20 41 28.1 LONG. = 42 0 19.0 RAD. = 1847040.8	1.3 2.3 16.4
0386	X = 1326154 Y = 1095500 Z = 671517	19 18 13	LAT. = 21 19 30.7 LONG. = 39 33 33.1 RAD. = 1846548.3	1.3 2.6 16.3
0388	X = 1366101 Y = 1032751 Z = 689262	20 19 13	LAT. = 21 55 25.4 LONG. = 37 5 19.4 RAD. = 1846047.0	1.3 2.6 17.3
0390	X = 1403660 Y = 968242 Z = 705827	19 18 13	LAT. = 22 29 8.8 LONG. = 34 35 52.1 RAD. = 1845520.5	1.3 2.4 17.1
0392	X = 1438788 Y = 902100 Z = 721207	19 19 13	LAT. = 23 0 37.3 LONG. = 32 5 13.7 RAD. = 1845002.4	1.3 2.5 17.6
0394	X = 1471478 Y = 834367 Z = 735346	19 18 13	LAT. = 23 29 42.6 LONG. = 29 33 15.9 RAD. = 1844491.7	1.3 2.5 17.6
0396	X = 1501641 Y = 765173 Z = 748235	20 19 13	LAT. = 23 56 22.1 LONG. = 27 0 5.3 RAD. = 1843982.3	1.3 2.6 17.9
0398	X = 1529212 Y = 694629 Z = 759842	20 20 13	LAT. = 24 20 31.1 LONG. = 24 25 46.1 RAD. = 1843463.7	1.3 2.7 17.8
0400	X = 1554140 Y = 622921 Z = 770124	19 20 13	LAT. = 24 42 1.8 LONG. = 21 50 29.7 RAD. = 1842951.8	1.3 2.7 18.1

EXPOSURE STATIONS MISSION 15 - REV 16 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0402	X = 1576414 Y = 550006 Z = 779118	19 20 13	LAT. = 25 0 57.6 LONG. = 19 14 1.4 RAD. = 1842447.5	1.3 2.7 18.2
0404	X = 1595914 Y = 476263 Z = 786748	20 21 14	LAT. = 25 17 8.1 LONG. = 16 36 59.4 RAD. = 1841939.4	1.4 2.8 18.8
0406	X = 1612661 Y = 401730 Z = 793023	20 21 14	LAT. = 25 30 32.0 LONG. = 13 59 17.7 RAD. = 1841452.6	1.3 2.8 19.6
0408	X = 1626586 Y = 326509 Z = 797925	20 22 14	LAT. = 25 41 8.2 LONG. = 11 21 1.1 RAD. = 1840943.9	1.3 2.8 20.2
0410	X = 1637716 Y = 250593 Z = 801471	21 23 14	LAT. = 25 48 55.9 LONG. = 8 41 58.4 RAD. = 1840452.7	1.3 2.9 20.9
0412	X = 1645994 Y = 174226 Z = 803611	20 23 14	LAT. = 25 53 49.4 LONG. = 6 2 31.8 RAD. = 1839956.6	1.3 2.9 20.6
0414	X = 1651411 Y = 97727 Z = 804386	20 23 14	LAT. = 25 55 51.1 LONG. = 3 23 12.1 RAD. = 1839496.5	1.3 3.0 21.0
0416	X = 1653949 Y = 20770 Z = 803756	20 24 14	LAT. = 25 54 58.4 LONG. = 0 43 10.1 RAD. = 1839022.6	1.3 3.0 21.1
0418	X = 1653612 Y = -56032 Z = 801725	20 25 14	LAT. = 25 51 9.8 LONG. = - 1 56 26.5 RAD. = 1838568.6	1.3 3.0 21.5
0420	X = 1650389 Y = -132701 Z = 798324	20 25 14	LAT. = 25 44 29.9 LONG. = - 4 35 49.3 RAD. = 1838127.7	1.4 3.1 22.1
0422	X = 1644298 Y = -209173 Z = 793514	21 26 15	LAT. = 25 34 54.2 LONG. = - 7 14 59.0 RAD. = 1837697.6	1.4 3.1 22.8

EXPOSURE STATIONS
MISSION 15 - REV 16
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0424	X = 1635376	21	LAT. = 25 22 32.7	1.5
	Y = -285067	27	LONG. = - 9 53 16.9	3.2
	Z = 787383	16	RAD. = 1837305.2	24.5

EXPOSURE STATIONS MISSION 15 - REV 22

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0466	X = -1470230 Y = 863994 Z = -731925	25 26 21	LAT. = -23 13 45.3 LONG. = 149 33 32.3 RAD. = 1855741.3	2.4 3.1 24.3
0468	X = -1434059 Y = 935964 Z = -715911	23 21 17	LAT. = -22 41 15.9 LONG. = 146 52 7.7 RAD. = 1856093.2	1.7 2.7 22.2
0470	X = -1395119 Y = 1005981 Z = -698551	21 19 17	LAT. = -22 6 14.1 LONG. = 144 12 20.4 RAD. = 1856428.9	1.8 2.5 20.3
0472	X = -1353405 Y = 1074082 Z = -679781	20 18 15	LAT. = -21 28 34.7 LONG. = 141 33 50.3 RAD. = 1856733.3	1.5 2.4 19.4
0474	X = -1308988 Y = 1140137 Z = -659671	19 17 14	LAT. = -20 48 27.3 LONG. = 138 56 38.2 RAD. = 1857021.1	1.4 2.3 18.3
0476	X = -1262069 Y = 1203876 Z = -638292	19 17 15	LAT. = -20 6 1.7 LONG. = 136 21 6.7 RAD. = 1857296.6	1.5 2.2 18.0
0478	X = -1212665 Y = 1265247 Z = -615691	19 17 15	LAT. = -19 21 25.3 LONG. = 133 47 3.7 RAD. = 1857546.7	1.6 2.2 17.2
0480	X = -1160835 Y = 1324174 Z = -591857	18 16 14	LAT. = -18 34 38.9 LONG. = 131 14 21.7 RAD. = 1857759.3	1.4 2.1 16.6
0482	X = -1106724 Y = 1380511 Z = -566859	17 16 13	LAT. = -17 45 50.9 LONG. = 128 43 6.1 RAD. = 1857949.7	1.3 2.1 16.0
0484	X = -1050524 Y = 1434077 Z = -540796	17 16 12	LAT. = -16 55 13.5 LONG. = 126 13 27.8 RAD. = 1858127.5	1.2 2.1 15.9
0486	X = -992282 Y = 1484823 Z = -513681	17 16 11	LAT. = -16 2 49.8 LONG. = 123 45 14.9 RAD. = 1858276.7	1.2 2.1 15.5

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0488	X = -932092	16	LAT. = -15 8 47.5	1.2
	Y = 1532673	16	LONG. = 121 18 20.8	1.9
	Z = -485580	11	RAD. = 1858405.0	15.7
0490	X = -870048	16	LAT. = -14 13 8.9	1.2
	Y = 1577530	16	LONG. = 118 52 40.3	1.9
	Z = -456503	12	RAD. = 1858488.3	15.7
0492	X = -806328	15	LAT. = -13 16 5.8	1.4
	Y = 1619286	15	LONG. = 116 28 16.1	1.7
	Z = -426557	13	RAD. = 1858548.2	15.1
0494	X = -741016	13	LAT. = -12 17 41.5	1.5
	Y = 1657895	14	LONG. = 114 4 58.2	1.5
	Z = -395773	13	RAD. = 1858590.4	14.5
0496	X = -674302	13	LAT. = -11 18 7.3	1.6
	Y = 1693260	14	LONG. = 111 42 49.7	1.4
	Z = -364255	14	RAD. = 1858626.8	14.4
0498	X = -606203	12	LAT. = -10 17 22.2	1.4
	Y = 1725303	14	LONG. = 109 21 34.0	1.3
	Z = -331985	13	RAD. = 1858592.5	14.3
0500	X = -537045	12	LAT. = - 9 15 44.3	1.4
	Y = 1753949	14	LONG. = 107 1 26.9	1.3
	Z = -299143	12	RAD. = 1858559.2	14.1
0502	X = -466730	11	LAT. = - 8 13 6.8	1.2
	Y = 1779211	13	LONG. = 104 41 56.0	1.2
	Z = -265671	11	RAD. = 1858496.1	13.7
0504	X = -395503	13	LAT. = - 7 9 39.4	1.6
	Y = 1801014	13	LONG. = 102 23 8.0	1.4
	Z = -231666	14	RAD. = 1858424.4	13.5
0506	X = -323608	10	LAT. = - 6 5 37.6	1.1
	Y = 1819248	13	LONG. = 100 5 10.5	1.1
	Z = -197270	10	RAD. = 1858306.1	13.4
0508	X = -251111	10	LAT. = - 5 1 2.5	1.1
	Y = 1833945	13	LONG. = 97 47 48.1	1.2
	Z = -162512	10	RAD. = 1858176.4	12.8

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0510	X = -178137 Y = 1845048 Z = -127441	10 12 9	LAT. = - 3 55 58.8 LONG. = 95 30 53.1 RAD. = 1858002.9	1.0 1.1 12.3
0512	X = -104784 Y = 1852573 Z = -92094	9 12 8	LAT. = - 2 50 29.0 LONG. = 93 14 14.2 RAD. = 1857817.7	.9 1.0 12.2
0514	X = -31187 Y = 1856482 Z = -56567	10 11 8	LAT. = - 1 44 42.1 LONG. = 90 57 44.7 RAD. = 1857605.6	.9 1.1 10.9
0516	X = 42542 Y = 1856765 Z = -20897	10 11 8	LAT. = - 0 38 40.7 LONG. = 88 41 14.9 RAD. = 1857370.2	.9 1.1 11.5
0518	X = 116174 Y = 1853396 Z = 14815	11 12 8	LAT. = 0 27 25.5 LONG. = 86 24 47.9 RAD. = 1857092.8	.9 1.2 12.3
0520	X = 189627 Y = 1846423 Z = 50505	12 13 8	LAT. = 1 33 31.0 LONG. = 84 8 10.6 RAD. = 1856821.9	.9 1.3 12.7
0522	X = 262543 Y = 1835836 Z = 86059	12 13 9	LAT. = 2 39 24.9 LONG. = 81 51 40.7 RAD. = 1856510.2	1.0 1.3 12.9
0524	X = 334961 Y = 1821645 Z = 121391	12 14 9	LAT. = 3 44 59.1 LONG. = 79 34 51.3 RAD. = 1856158.4	1.0 1.3 14.4
0526	X = 406687 Y = 1803911 Z = 156499	12 14 9	LAT. = 4 50 15.0 LONG. = 77 17 42.8 RAD. = 1855796.6	1.0 1.4 13.7
0528	X = 477666 Y = 1782667 Z = 191336	13 14 9	LAT. = 5 55 8.1 LONG. = 74 59 59.9 RAD. = 1855445.3	1.0 1.5 13.7
0530	X = 547695 Y = 1757922 Z = 225757	14 15 9	LAT. = 6 59 24.5 LONG. = 72 41 42.5 RAD. = 1855053.7	1.0 1.6 14.4

EXPOSURE STATIONS MISSION 15 - REV 22 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0532	X = 616653 Y = 1729744 Z = 259788	13 14 9	LAT. = 8 3 7.5 LONG. = 70 22 44.0 RAD. = 1854660.3	1.0 1.5 14.0
0534	X = 684376 Y = 1698186 Z = 293260	14 14 9	LAT. = 9 5 59.6 LONG. = 68 3 1.3 RAD. = 1854240.4	1.0 1.5 14.0
0536	X = 750752 Y = 1663259 Z = 326166	14 14 10	LAT. = 10 8 1.8 LONG. = 65 42 24.5 RAD. = 1853764.8	1.1 1.7 14.0
0538	X = 815718 Y = 1625082 Z = 358494	15 15 10	LAT. = 11 9 11.5 LONG. = 63 20 43.5 RAD. = 1853322.6	1.1 1.7 14.4
0540	X = 879146 Y = 1583637 Z = 390133	16 15 10	LAT. = 12 9 18.6 LONG. = 60 57 48.4 RAD. = 1852837.8	1.1 1.8 14.2
0542	X = 940804 Y = 1539088 Z = 420997	16 15 10	LAT. = 13 8 13.0 LONG. = 58 33 49.1 RAD. = 1852334.0	1.1 2.0 14.0
0544	X = 1000641 Y = 1491475 Z = 451049	15 15 10	LAT. = 14 5 50.6 LONG. = 56 8 31.4 RAD. = 1851816.8	1.1 1.8 14.0
0546	X = 1058462 Y = 1440960 Z = 480200	16 15 10	LAT. = 15 2 1.1 LONG. = 53 42 2.6 RAD. = 1851296.5	1.1 1.9 14.2
0548	X = 1114214 Y = 1387588 Z = 508411	16 15 10	LAT. = 15 56 39.3 LONG. = 51 14 9.6 RAD. = 1850771.7	1.1 1.9 14.4
0550	X = 1167660 Y = 1331555 Z = 535594	17 16 11	LAT. = 16 49 35.5 LONG. = 48 45 7.2 RAD. = 1850224.1	1.2 2.0 14.9
0552	X = 1218805 Y = 1272884 Z = 561729	17 16 11	LAT. = 17 40 46.2 LONG. = 46 14 36.1 RAD. = 1849664.3	1.2 2.1 15.4

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0554	X = 1267561	17	LAT. = 18 30 1.8	1.2
	Y = 1211706	16	LONG. = 43 42 33.8	2.2
	Z = 586747	11	RAD. = 1849111.7	15.3
0556	X = 1313060	18	LAT. = 19 16 33.0	1.2
	Y = 1149166	17	LONG. = 41 11 30.5	2.3
	Z = 610232	12	RAD. = 1848538.1	15.9
0558	X = 1353710	18	LAT. = 19 58 34.9	1.2
	Y = 1088105	17	LONG. = 38 47 31.7	2.3
	Z = 631335	12	RAD. = 1847995.7	15.8
0560	X = 1392072	19	LAT. = 20 38 41.8	1.2
	Y = 1025157	18	LONG. = 36 22 7.9	2.4
	Z = 651368	12	RAD. = 1847455.0	17.0
0562	X = 1428005	19	LAT. = 21 16 50.0	1.3
	Y = 960500	18	LONG. = 33 55 31.5	2.5
	Z = 670308	12	RAD. = 1846908.5	16.7
0564	X = 1461511	19	LAT. = 21 52 51.6	1.3
	Y = 894200	18	LONG. = 31 27 34.8	2.5
	Z = 688107	13	RAD. = 1846374.7	17.2
0566	X = 1492515	19	LAT. = 22 26 40.2	1.3
	Y = 826340	19	LONG. = 28 58 16.9	2.5
	Z = 704714	13	RAD. = 1845822.1	17.5
0568	X = 1520969	19	LAT. = 22 58 13.1	1.3
	Y = 757048	19	LONG. = 26 27 41.1	2.6
	Z = 720127	13	RAD. = 1845278.1	17.6
0570	X = 1546769	19	LAT. = 23 27 23.6	1.3
	Y = 686516	19	LONG. = 23 56 .6	2.6
	Z = 734297	13	RAD. = 1844720.2	17.8
0572	X = 1569972	19	LAT. = 23 54 12.1	1.3
	Y = 614599	19	LONG. = 21 22 44.1	2.6
	Z = 747244	13	RAD. = 1844158.1	18.0
0574	X = 1590430	19	LAT. = 24 18 28.7	1.3
	Y = 541744	20	LONG. = 18 48 36.9	2.6
	Z = 758905	13	RAD. = 1843608.3	18.2

EXPOSURE STATIONS MISSION 15 - REV 22 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0576	X = 1608159 Y = 467955 Z = 769250	20 21 13	LAT. = 24 40 8.1 LONG. = 16 13 27.7 RAD. = 1843068.8	1.3 2.8 18.8
0578	X = 1623099 Y = 393363 Z = 778292	20 21 13	LAT. = 24 59 11.1 LONG. = 13 37 23.3 RAD. = 1842531.7	1.3 2.8 19.3
0580	X = 1635210 Y = 318078 Z = 785983	20 22 14	LAT. = 25 15 31.7 LONG. = 11 0 27.4 RAD. = 1841969.9	1.3 2.9 20.1
0582	X = 1644485 Y = 242296 Z = 792320	20 22 14	LAT. = 25 29 6.7 LONG. = 8 22 53.7 RAD. = 1841414.8	1.3 2.9 20.4
0584	X = 1650943 Y = 166086 Z = 797286	20 23 14	LAT. = 25 39 51.8 LONG. = 5 44 40.8 RAD. = 1840886.3	1.3 2.9 20.9
0586	X = 1654551 Y = 89560 Z = 800904	20 24 13	LAT. = 25 47 49.1 LONG. = 3 5 54.2 RAD. = 1840382.5	1.3 3.0 21.0
0588	X = 1655261 Y = 12857 Z = 803120	20 24 14	LAT. = 25 52 53.9 LONG. = 0 26 42.1 RAD. = 1839852.5	1.3 3.0 21.4
0590	X = 1653095 Y = -63877 Z = 803957	20 25 14	LAT. = 25 55 6.4 LONG. = - 2 12 46.3 RAD. = 1839334.5	1.3 3.0 21.7
0592	X = 1648059 Y = -140534 Z = 803404	20 25 14	LAT. = 25 54 24.7 LONG. = - 4 52 26.3 RAD. = 1838832.2	1.3 3.1 22.1
0594	X = 1640166 Y = -216864 Z = 801456	20 26 14	LAT. = 25 50 48.5 LONG. = - 7 31 55.2 RAD. = 1838343.5	1.3 3.1 22.7
0596	X = 1629407 Y = -292887 Z = 798119	20 27 15	LAT. = 25 44 18.6 LONG. = - 10 11 24.5 RAD. = 1837864.5	1.4 3.2 23.3

EXPOSURE STATIONS
MISSION 15 - REV 22
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0598	X = 1615740	22	LAT. = 25 34 55.1	1.5
	Y = -368662	28	LONG. = - 12 51 11.1	3.3
	Z = 793387	16	RAD. = 1837386.7	25.3

EXPOSURE STATIONS MISSION 15 - RE 27

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0876	X = -1404712 Y = 961226 Z = -736942	23 22 18	LAT. = -23 24 38.2 LONG. = 145 36 60.0 RAD. = 1354792.0	2.0 2.8 22.4
0878	X = -1363535 Y = 1030557 Z = -721400	21 19 16	LAT. = -22 53 .3 LONG. = 142 55 5.1 RAD. = 1855180.2	1.6 2.5 19.7
0880	X = -1319711 Y = 1097774 Z = -704476	20 18 15	LAT. = -22 18 45.7 LONG. = 140 14 43.2 RAD. = 1855540.4	1.5 2.4 18.5
0882	X = -1273203 Y = 1162947 Z = -686147	19 17 14	LAT. = -21 41 53.0 LONG. = 137 35 28.8 RAD. = 1855879.5	1.5 2.3 17.8
0884	X = -1224255 Y = 1225748 Z = -666501	18 17 14	LAT. = -21 2 34.5 LONG. = 134 57 54.3 RAD. = 1856201.3	1.5 2.2 17.2
0886	X = -1172924 Y = 1286096 Z = -645554	18 16 15	LAT. = -20 20 54.5 LONG. = 132 21 53.7 RAD. = 1856484.6	1.6 2.1 16.9
0888	X = -1119285 Y = 1343950 Z = -623346	17 15 14	LAT. = -19 36 58.1 LONG. = 129 47 19.0 RAD. = 1856761.0	1.5 2.0 16.0
0890	X = -1063415 Y = 1399200 Z = -599904	17 15 14	LAT. = -18 50 50.4 LONG. = 127 14 7.5 RAD. = 1857013.0	1.5 2.0 15.9
0892	X = -1005513 Y = 1451640 Z = -575317	16 15 13	LAT. = -18 2 43.6 LONG. = 124 42 33.6 RAD. = 1857230.3	1.3 1.9 15.3
0894	X = -945601 Y = 1501287 Z = -549602	16 15 12	LAT. = -17 12 39.8 LONG. = 122 12 18.7 RAD. = 1857440.3	1.3 1.9 15.2
0896	X = -883848 Y = 1547968 Z = -522810	16 15 11	LAT. = -16 20 46.6 LONG. = 119 43 30.7 RAD. = 1857611.7	1.2 1.9 14.9

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0898	X = -820403 Y = 1591597 Z = -495012	16 15 11	LAT. = -15 27 12.6 LONG. = 117 16 9.3 RAD. = 1857762.0	1.2 1.8 15.1
0902	X = -688805 Y = 1669423 Z = -436603	14 15 12	LAT. = -13 35 27.6 LONG. = 112 25 15.9 RAD. = 1857968.2	1.3 1.7 14.4
0904	X = -620915 Y = 1703490 Z = -406090	12 14 12	LAT. = -12 37 27.6 LONG. = 110 1 35.8 RAD. = 1858042.7	1.3 1.4 14.3
0906	X = -551853 Y = 1734208 Z = -374782	12 14 17	LAT. = -11 38 11.7 LONG. = 107 39 6.8 RAD. = 1858085.3	1.8 1.4 13.6
0908	X = -481618 Y = 1761572 Z = -342763	11 13 14	LAT. = -10 37 48.5 LONG. = 105 17 28.1 RAD. = 1858111.2	1.6 1.2 13.3
0910	X = -410537 Y = 1785464 Z = -310058	10 13 12	LAT. = - 9 36 20.7 LONG. = 102 56 56.9 RAD. = 1858106.0	1.3 1.1 13.2
0912	X = -338613 Y = 1805809 Z = -276758	10 13 13	LAT. = - 8 33 57.8 LONG. = 100 37 12.1 RAD. = 1858067.9	1.4 1.1 13.2
0914	X = -266080 Y = 1822712 Z = -242936	10 13 11	LAT. = - 7 30 47.1 LONG. = 98 18 19.4 RAD. = 1857981.4	1.3 1.1 13.4
0916	X = -193068 Y = 1836034 Z = -208695	10 12 10	LAT. = - 6 25 58.2 LONG. = 96 0 10.3 RAD. = 1857915.7	1.1 1.1 12.5
0918	X = -119684 Y = 1845751 Z = -174046	10 12 10	LAT. = - 5 22 32.1 LONG. = 93 42 36.1 RAD. = 1857797.7	1.1 1.1 12.4
0920	X = -46090 Y = 1851891 Z = -139057	10 12 10	LAT. = - 4 17 34.5 LONG. = 91 25 52.5 RAD. = 1857676.3	1.1 1.1 12.1

EXPOSURE STATIONS MISSION - REV 27 (NUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0922	X = 27720 Y = 1854106 Z = -103726	10 12 9	LAT. = - 3 12 4.1 LONG. = 89 8 36.9 RAD. = 1857511.1	.9 1.1 11.6
0924	X = 101481 Y = 1853303 Z = -68199	11 12 9	LAT. = 2 6 15.5 LONG. = 80 51 56.8 RAD. = 1857332.3	1.0 1.2 11.6
0926	X = 175032 Y = 1848537 Z = -32562	10 12 8	LAT. = - 1 0 16.8 LONG. = 84 35 27.5 RAD. = 1857091.0	.9 1.2 11.7
0928	X = 248243 Y = 1840197 Z = 3154	11 13 8	LAT. = 0 5 50.4 LONG. = 82 19 1.8 RAD. = 1856867.8	.9 1.2 12.6
0930	X = 320917 Y = 1828220 Z = 38835	13 13 8	LAT. = 1 11 54.9 LONG. = 80 2 38.4 RAD. = 1856578.3	.9 1.5 13.0
0932	X = 392912 Y = 1812691 Z = 74406	12 13 8	LAT. = 2 17 50.1 LONG. = 77 46 11.9 RAD. = 1856276.7	.9 1.3 13.0
0934	X = 464150 Y = 1793618 Z = 109818	12 14 9	LAT. = 3 23 31.9 LONG. = 75 29 28.8 RAD. = 1855953.3	.9 1.3 13.6
0936	X = 534481 Y = 1771069 Z = 145055	13 13 9	LAT. = 4 29 .2 LONG. = 73 12 25.2 RAD. = 1855639.1	1.0 1.5 13.1
0938	X = 603775 Y = 1745024 Z = 179991	17 14 10	LAT. = 5 34 2.5 LONG. = 70 54 52.1 RAD. = 1855276.5	1.1 1.9 13.6
0940	X = 671890 Y = 1715581 Z = 214600	13 14 9	LAT. = 6 38 36.9 LONG. = 68 36 45.8 RAD. = 1854914.5	1.0 1.5 13.5
0942	X = 738758 Y = 1682711 Z = 248797	14 14 9	LAT. = 7 42 35.8 LONG. = 66 17 49.7 RAD. = 1854502.3	1.0 1.5 13.0

EXPOSURE STATIONS MISSION 15 - REV 27 (CONTINUED)

FRAME NO.	CARTESIA. POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0944	X = 804073	15	LAT. = 8 45 49.0	1.1
	Y = 1646609	15	LONG. = 63 58 22.0	1.7
	Z = 282486	10	RAD. = 1854090.6	14.3
0946	X = 867832	15	LAT. = 9 48 2.7	1.1
	Y = 1607279	15	LONG. = 61 38 1.3	1.7
	Z = 315625	10	RAD. = 1853671.2	14.6
0948	X = 929948	15	LAT. = 10 49 43.8	1.1
	Y = 1564720	15	LONG. = 59 16 33.1	1.8
	Z = 348172	10	RAD. = 1853207.5	14.2
0950	X = 990253	15	LAT. = 11 50 14.1	1.1
	Y = 1519068	15	LONG. = 56 54 1.4	1.8
	Z = 380056	10	RAD. = 1852731.1	14.5
0952	X = 1048617	16	LAT. = 12 49 37.0	1.1
	Y = 1470420	15	LONG. = 54 30 20.8	1.9
	Z = 411213	10	RAD. = 1852249.5	14.3
0954	X = 1104870	16	LAT. = 13 47 41.6	1.1
	Y = 1418879	15	LONG. = 52 5 32.6	1.9
	Z = 441540	10	RAD. = 1851732.3	14.2
0956	X = 1158898	16	LAT. = 14 44 18.2	1.1
	Y = 1364614	15	LONG. = 49 39 37.5	2.0
	Z = 470962	10	RAD. = 1851221.7	14.6
0958	X = 1210632	17	LAT. = 15 39 28.4	1.1
	Y = 1307624	16	LONG. = 47 12 20.5	2.1
	Z = 499484	11	RAD. = 1850673.8	15.0
0960	X = 1259969	17	LAT. = 16 32 58.7	1.1
	Y = 1248132	17	LONG. = 44 43 46.5	2.2
	Z = 527011	11	RAD. = 1850160.4	15.4
0962	X = 1300813	18	LAT. = 17 24 46.1	1.2
	Y = 1186121	17	LONG. = 42 13 41.8	2.3
	Z = 553499	11	RAD. = 1849596.2	15.3
0964	X = 1351152	18	LAT. = 18 14 45.6	1.2
	Y = 1121627	17	LONG. = 39 41 55.3	2.3
	Z = 589952	12	RAD. = 1849043.0	16.7

EXPOSURE STATIONS MISSION 15 - REV 27 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0976	X = 1548010 Y = 722138 Z = 699259	20 19 13	LAT. = 22 15 44.6 LONG. = 25 0 31.6 RAD. = 1845746.4	1.3 2.6 18.7
0978	X = 1571438 Y = 651095 Z = 715111	19 19 12	LAT. = 22 48 8.7 LONG. = 22 30 20.6 RAD. = 1845189.9	1.2 2.5 17.9
0980	X = 1592177 Y = 578879 Z = 729730	19 20 13	LAT. = 23 18 11.9 LONG. = 19 58 48.3 RAD. = 1844623.6	1.2 2.7 18.1
0982	X = 1610151 Y = 505737 Z = 743101	19 20 13	LAT. = 23 45 50.4 LONG. = 17 26 13.7 RAD. = 1844059.9	1.2 2.7 18.5
0984	X = 1625379 Y = 431662 Z = 755214	20 21 13	LAT. = 24 11 .7 LONG. = 14 52 23.0 RAD. = 1843512.2	1.3 2.7 19.3
0986	X = 1637789 Y = 356815 Z = 766025	20 22 14	LAT. = 24 33 37.3 LONG. = 12 17 26.3 RAD. = 1842949.5	1.3 2.8 19.7
0988	X = 1647346 Y = 281375 Z = 775528	20 22 14	LAT. = 24 53 37.8 LONG. = 9 41 34.3 RAD. = 1842380.0	1.3 2.9 20.2
0990	X = 1654049 Y = 205465 Z = 783698	20 23 13	LAT. = 25 10 57.1 LONG. = 7 4 51.6 RAD. = 1841813.4	1.3 2.9 20.6
0992	X = 1657891 Y = 129187 Z = 790501	20 24 14	LAT. = 25 25 30.1 LONG. = 4 27 20.3 RAD. = 1841245.0	1.3 3.0 20.8
0994	X = 1658872 Y = 52677 Z = 795959	20 24 13	LAT. = 25 37 16.8 LONG. = 1 49 7.7 RAD. = 1840701.4	1.3 3.0 21.1
0996	X = 1656974 Y = -23820 Z = 800026	20 25 14	LAT. = 25 46 12.1 LONG. = - 0 49 25.0 RAD. = 1840155.0	1.3 3.1 21.6

EXPOSURE STATIONS
MISSION 15 - REV 27
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0998	X = 1652206	20	LAT. = 25 52 17.1	1.3
	Y = -100224	25	LONG. = - 3 28 16.9	3.1
	Z = 802722	14	RAD. = 1839617.7	22.0
1000	X = 1644550	20	LAT. = 25 55 29.5	1.3
	Y = -176751	25	LONG. = - 6 8 3.9	3.1
	Z = 804036	14	RAD. = 1839092.4	22.2
1002	X = 1634057	20	LAT. = 25 55 48.0	1.3
	Y = -252680	26	LONG. = - 8 47 25.5	3.1
	Z = 803957	14	RAD. = 1838570.1	22.8
1004	X = 1620662	20	LAT. = 25 53 12.8	1.3
	Y = -328484	27	LONG. = - 11 27 28.0	3.2
	Z = 802485	14	RAD. = 1838050.2	23.3
1006	X = 1604500	21	LAT. = 25 47 42.9	1.3
	Y = -403481	27	LONG. = - 14 6 55.4	3.2
	Z = 799625	14	RAD. = 1837557.1	23.9
1008	X = 1585528	21	LAT. = 25 39 19.4	1.4
	Y = -477778	28	LONG. = - 16 46 10.1	3.3
	Z = 795368	15	RAD. = 1837058.0	24.4
1010	X = 1563696	22	LAT. = 25 27 60.0	1.6
	Y = -551639	29	LONG. = - 19 25 54.4	3.4
	Z = 789711	16	RAD. = 1836598.3	25.8

EXPOSURE STATIONS

MISSION 15 - REV 33

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1024	X = -1250986 Y = 1163122 Z = -721682	19 18 15	LAT. = -22 54 12.9 LONG. = 137 5 3.9 RAD. = 1854358.5	1.5 2.3 18.8
1026	X = -1200612 Y = 1225553 Z = -704761	18 17 14	LAT. = -22 19 55.5 LONG. = 134 24 39.7 RAD. = 1854761.1	1.5 2.2 16.8
1028	X = -1147755 Y = 1285685 Z = -686451	17 16 14	LAT. = -21 43 2.2 LONG. = 131 45 21.1 RAD. = 1855139.6	1.5 2.1 16.4
1030	X = -1092590 Y = 1343348 Z = -666761	17 16 14	LAT. = -21 3 35.2 LONG. = 129 7 21.4 RAD. = 1855507.8	1.5 2.0 15.9
1032	X = -1035341 Y = 1395284 Z = -645782	16 16 15	LAT. = -20 21 47.9 LONG. = 126 31 3.4 RAD. = 1855845.7	1.7 1.9 15.7
1034	X = -976075 Y = 1450433 Z = -623566	16 15 13	LAT. = -19 37 48.1 LONG. = 123 56 19.5 RAD. = 1856155.5	1.4 1.8 15.4
1036	X = -914865 Y = 1499765 Z = -600099	15 15 13	LAT. = -18 51 34.8 LONG. = 121 23 .3 RAD. = 1856446.0	1.4 1.8 15.8
1038	X = -851865 Y = 1546168 Z = -575480	15 15 13	LAT. = -18 3 20.4 LONG. = 118 51 9.6 RAD. = 1856741.1	1.4 1.8 15.4
1040	X = -787248 Y = 1589480 Z = -549755	16 15 13	LAT. = -17 13 12.8 LONG. = 116 20 54.9 RAD. = 1856996.9	1.4 1.8 15.5
1042	X = -721073 Y = 1629677 Z = -522972	15 15 11	LAT. = -16 21 17.9 LONG. = 113 52 3.5 RAD. = 1857227.5	1.2 1.7 14.8
1044	X = -653452 Y = 1666711 Z = -495128	14 14 11	LAT. = -15 27 35.8 LONG. = 111 24 29.5 RAD. = 1857437.7	1.1 1.6 14.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1046	X = -584560 Y = 1700429 Z = -466341	23 17 21	LAT. = -14 32 21.9 LONG. = 108 58 17.5 RAD. = 1857591.1	2.3 2.8 14.8
1048	X = -514543 Y = 1730834 Z = -436620	12 14 11	LAT. = -13 35 35.9 LONG. = 106 33 22.2 RAD. = 1857734.8	1.2 1.4 14.1
1050	X = -443506 Y = 1757841 Z = -406085	11 14 12	LAT. = -12 37 31.9 LONG. = 104 9 37.0 RAD. = 1857850.0	1.3 1.3 14.0
1052	X = -371660 Y = 1781413 Z = -374770	10 14 13	LAT. = -11 38 13.2 LONG. = 101 47 4.9 RAD. = 1857960.4	1.4 1.2 14.3
1054	X = -299062 Y = 1801468 Z = -342706	9 13 15	LAT. = -10 37 44.4 LONG. = 99 25 32.5 RAD. = 1858002.1	1.6 1.1 13.2
1056	X = -225793 Y = 1818074 Z = -309965	9 14 18	LAT. = - 9 36 10.8 LONG. = 97 4 46.2 RAD. = 1858078.4	2.0 1.1 13.7
1058	X = -152196 Y = 1831079 Z = -276657	9 12 15	LAT. = - 8 33 45.8 LONG. = 94 45 5.0 RAD. = 1858104.5	1.4 1.0 12.4
1060	X = -78313 Y = 1840494 Z = -242821	9 12 10	LAT. = - 7 30 32.6 LONG. = 92 26 11.3 RAD. = 1858093.9	1.1 1.0 12.5
1062	X = -4331 Y = 1846296 Z = -208544	9 12 10	LAT. = - 6 26 39.7 LONG. = 90 8 3.8 RAD. = 1858041.5	1.1 1.0 12.3
1064	X = 69759 Y = 1848540 Z = -173821	9 12 9	LAT. = - 5 22 4.9 LONG. = 87 50 19.9 RAD. = 1858004.8	1.0 1.0 12.0
1066	X = 143769 Y = 1847135 Z = -138737	11 12 10	LAT. = - 4 16 57.0 LONG. = 85 32 58.0 RAD. = 1857909.0	1.1 1.3 12.3

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1068	X = 217444 Y = 1842126 Z = -103412	11 12 9	LAT. = - 3 11 27.4 LONG. = 83 16 4.7 RAD. = 1857795.7	1.0 1.2 12.2
1070	X = 290692 Y = 1833525 Z = -67868	11 13 8	LAT. = - 2 5 37.3 LONG. = 80 59 28.1 RAD. = 1857665.3	.9 1.2 12.6
1072	X = 363282 Y = 1821325 Z = -32228	11 14 9	LAT. = - 0 59 38.9 LONG. = 78 43 11.2 RAD. = 1857481.1	1.0 1.3 13.7
1074	X = 435155 Y = 1805592 Z = 3446	12 13 9	LAT. = 0 6 22.7 LONG. = 75 26 59.5 RAD. = 1857292.7	.9 1.3 13.4
1076	X = 506146 Y = 1786321 Z = 39127	12 13 8	LAT. = 1 12 26.1 LONG. = 74 10 48.6 RAD. = 1857056.0	.9 1.3 13.3
1078	X = 576153 Y = 1763602 Z = 74690	13 14 9	LAT. = 2 18 19.1 LONG. = 71 54 29.7 RAD. = 1856831.5	1.0 1.5 13.4
1080	X = 645078 Y = 1737432 Z = 110143	13 15 9	LAT. = 3 24 3.9 LONG. = 69 37 51.4 RAD. = 1856589.9	1.0 1.5 14.4
1082	X = 712697 Y = 1707859 Z = 145376	14 14 9	LAT. = 4 29 30.1 LONG. = 67 20 56.4 RAD. = 1856301.0	1.0 1.6 13.8
1084	X = 778963 Y = 1674922 Z = 180369	14 14 9	LAT. = 5 34 37.0 LONG. = 65 3 29.1 RAD. = 1855985.2	1.0 1.6 13.8
1086	X = 843669 Y = 1638737 Z = 214950	15 15 10	LAT. = 6 39 6.6 LONG. = 62 45 33.5 RAD. = 1855651.2	1.1 1.7 14.9
1088	X = 906678 Y = 1599339 Z = 249116	16 15 10	LAT. = 7 43 .2 LONG. = 60 27 2.7 RAD. = 1855265.1	1.1 1.8 14.2

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1090	X = 967971 Y = 1556805 Z = 282000	16 15 10	LAT. = 8 46 13.2 LONG. = 58 7 40.7 RAD. = 1854885.2	1.1 1.8 14.3
1092	X = 1027382 Y = 1511233 Z = 315000	17 16 10	LAT. = 9 48 38.6 LONG. = 55 47 25.8 RAD. = 1854485.1	1.1 2.0 14.9
1094	X = 1084706 Y = 1462722 Z = 348480	16 15 10	LAT. = 10 50 0.8 LONG. = 53 26 26.2 RAD. = 1854072.9	1.1 1.9 14.7
1096	X = 1139966 Y = 1411318 Z = 380345	16 15 10	LAT. = 11 50 25.7 LONG. = 51 4 15.9 RAD. = 1853646.5	1.1 2.0 14.7
1098	X = 1192937 Y = 1357177 Z = 411432	17 16 10	LAT. = 12 49 38.3 LONG. = 48 41 6.1 RAD. = 1853187.6	1.1 2.0 15.5
1100	X = 1243603 Y = 1300357 Z = 441730	17 16 10	LAT. = 13 47 36.2 LONG. = 46 16 40.8 RAD. = 1852728.2	1.1 2.1 14.8
1102	X = 1291828 Y = 1240955 Z = 471173	18 16 11	LAT. = 14 44 12.7 LONG. = 43 50 57.5 RAD. = 1852240.4	1.1 2.2 15.3
1104	X = 1337506 Y = 1179109 Z = 499706	18 17 11	LAT. = 15 30 20.9 LONG. = 41 23 54.7 RAD. = 1851736.2	1.1 2.2 15.6
1106	X = 1380589 Y = 1114886 Z = 527291	18 17 11	LAT. = 16 32 56.0 LONG. = 38 55 20.6 RAD. = 1851224.7	1.2 2.2 15.9
1108	X = 1420787 Y = 1048742 Z = 553711	19 17 12	LAT. = 17 24 32.2 LONG. = 36 25 57.3 RAD. = 1850700.3	1.2 2.3 16.7
1110	X = 1455750 Y = 985238 Z = 577381	20 19 12	LAT. = 18 11 0.9 LONG. = 34 5 23.2 RAD. = 1850208.6	1.2 2.5 17.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1112	X = 1488215 Y = 920084 Z = 600070	19 19 12	LAT. = 18 55 48.1 LONG. = 31 43 34.7 RAD. = 1849708.6	1.2 2.5 17.1
1113	X = 1503488 Y = 886900 Z = 611021	20 19 12	LAT. = 19 17 31.1 LONG. = 30 32 10.1 RAD. = 1849436.8	1.2 2.5 17.9
1115	X = 1532132 Y = 819458 Z = 632154	19 19 12	LAT. = 19 59 34.0 LONG. = 28 8 24.1 RAD. = 1848934.0	1.2 2.5 17.7
1116	X = 1545450 Y = 785214 Z = 642310	1 19 12	LAT. = 20 19 52.4 LONG. = 26 56 3.4 RAD. = 1848658.5	1.2 2.5 17.6
1118	X = 1570165 Y = 715633 Z = 661840	20 20 12	LAT. = 20 59 3.8 LONG. = 24 30 7.4 RAD. = 1848129.0	1.2 2.7 17.9
1120	X = 1592174 Y = 644846 Z = 680239	19 19 12	LAT. = 21 36 11.8 LONG. = 22 2 54.3 RAD. = 1847584.9	1.2 2.6 17.9
1122	X = 1611448 Y = 572955 Z = 697467	19 20 12	LAT. = 22 11 10.0 LONG. = 19 34 22.8 RAD. = 1847025.3	1.2 2.6 18.1
1124	X = 1627963 Y = 500110 Z = 713506	19 20 12	LAT. = 22 43 53.9 LONG. = 17 4 37.0 RAD. = 1846473.6	1.2 2.6 18.6
1126	X = 1641689 Y = 426377 Z = 728339	20 20 13	LAT. = 23 14 20.3 LONG. = 14 33 32.9 RAD. = 1845919.0	1.2 2.7 19.6
1128	X = 1652612 Y = 351908 Z = 741923	20 22 13	LAT. = 23 42 21.7 LONG. = 12 1 15.7 RAD. = 1845376.6	1.3 2.8 19.8
1130	X = 1660660 Y = 276813 Z = 754261	20 23 13	LAT. = 24 7 58.7 LONG. = 9 27 48.8 RAD. = 1844810.6	1.3 2.9 20.5

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1132	X = 1665823 Y = 201248 Z = 765290	20 23 13	LAT. = 24 31 2.2 LONG. = 6 53 18.6 RAD. = 1844216.7	1.3 2.9 20.7
1134	X = 1668141 Y = 125477 Z = 775006	20 23 13	LAT. = 24 51 27.1 LONG. = 4 18 6.1 RAD. = 1843657.2	1.2 2.9 20.8
1136	X = 1667590 Y = 49419 Z = 783385	20 24 13	LAT. = 25 9 11.1 LONG. = 1 41 50.9 RAD. = 1843092.8	1.3 3.0 21.2
1138	X = 1664146 Y = -26774 Z = 790434	20 24 13	LAT. = 25 24 13.9 LONG. = - 0 55 18.2 RAD. = 1842521.0	1.3 3.0 21.5
1140	X = 1657836 Y = -102903 Z = 796122	20 25 13	LAT. = 25 36 29.4 LONG. = - 3 33 6.6 RAD. = 1841960.7	1.3 3.0 21.9
1142	X = 1648661 Y = -178856 Z = 800438	20 25 14	LAT. = 25 45 55.7 LONG. = - 6 11 29.6 RAD. = 1841405.0	1.3 3.1 22.5
1144	X = 1636635 Y = -254469 Z = 803375	20 26 14	LAT. = 25 52 31.2 LONG. = - 8 50 16.0 RAD. = 1840853.6	1.3 3.2 23.0
1146	X = 1621765 Y = -329709 Z = 804948	20 27 14	LAT. = 25 56 16.3 LONG. = - 11 29 30.3 RAD. = 1840318.5	1.3 3.2 23.4
1148	X = 1604062 Y = -404363 Z = 805118	21 28 14	LAT. = 25 57 7.6 LONG. = - 14 8 55.4 RAD. = 1839765.6	1.3 3.3 23.9
1150	X = 1583551 Y = -478473 Z = 803885	21 26 14	LAT. = 25 55 2.7 LONG. = - 16 48 44.2 RAD. = 1839239.0	1.3 3.3 24.4
1152	X = 1560375 Y = -551431 Z = 801267	21 29 14	LAT. = 25 50 4.6 LONG. = - 19 27 47.6 RAD. = 1838715.8	1.3 3.3 24.9

EXPOSURE STATIONS
MISSION 15 - REV 33
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1154	X = 1534348	21	LAT. = 25 42 11.6	1.5
	Y = -623841	30	LONG. = - 22 7 33.1	3.4
	Z = 797248	15	RAD. = 1838207.2	25.6
1156	X = 1505616	22	LAT. = 25 31 24.6	1.4
	Y = -695177	30	LONG. = - 24 47 1.8	3.4
	Z = 791831	15	RAD. = 1837701.2	26.6

EXPOSURE STATIONS MISSION 15 - REV 38

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1568	X = -1194422 Y = 1209505 Z = -735657	18 18 15	LAT. = -23 24 6.0 LONG. = 134 38 25.8 RAD. = 1852225.1	1.6 2.3 17.5
1570	X = -1140818 Y = 1269871 Z = -719995	17 16 14	LAT. = -22 52 7.8 LONG. = 131 56 8.4 RAD. = 1852681.6	1.4 2.2 16.6
1572	X = -1084976 Y = 1327690 Z = -702903	17 16 14	LAT. = -22 17 27.6 LONG. = 129 15 19.4 RAD. = 1853107.0	1.4 2.1 15.8
1574	X = -1026945 Y = 1382932 Z = -684440	16 16 14	LAT. = -21 40 12.6 LONG. = 126 35 49.3 RAD. = 1853530.9	1.5 2.0 15.7
1576	X = -966957 Y = 1435376 Z = -664649	15 15 13	LAT. = -21 0 30.9 LONG. = 123 57 59.8 RAD. = 1853932.9	1.4 1.8 15.1
1578	X = -905010 Y = 1485022 Z = -643554	15 15 14	LAT. = -20 18 26.7 LONG. = 121 21 33.1 RAD. = 1854317.6	1.4 1.8 15.2
1580	X = -841357 Y = 1531695 Z = -621209	15 14 14	LAT. = -19 34 7.9 LONG. = 118 46 47.6 RAD. = 1854688.5	1.5 1.7 14.7
1582	X = -775993 Y = 1575378 Z = -597607	14 14 13	LAT. = -18 47 36.1 LONG. = 116 13 25.5 RAD. = 1855024.6	1.4 1.6 14.6
1584	X = -709106 Y = 1615942 Z = -572866	14 14 12	LAT. = -17 59 5.7 LONG. = 113 41 33.9 RAD. = 1855337.3	1.3 1.6 14.2
1586	X = -640826 Y = 1653337 Z = -547001	14 14 12	LAT. = -17 8 39.2 LONG. = 111 11 10.0 RAD. = 1855637.5	1.3 1.6 14.2
1588	X = -571273 Y = 1687468 Z = -520058	14 14 11	LAT. = -16 16 23.8 LONG. = 108 42 10.6 RAD. = 1855899.6	1.2 1.6 14.2

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1590	X = -500678 Y = 1718265 Z = -492131	13 14 10	LAT. = -15 22 29.9 LONG. = 106 14 43.3 RAD. = 1856153.8	1.1 1.5 14.1
1592	X = -429062 Y = 1745696 Z = -463237	14 14 11	LAT. = -14 27 .7 LONG. = 103 48 31.0 RAD. = 1856377.7	1.2 1.6 14.2
1594	X = -356629 Y = 1769690 Z = -433458	13 15 12	LAT. = -13 30 5.6 LONG. = 101 23 37.2 RAD. = 1856575.1	1.3 1.5 15.3
1596	X = -283472 Y = 1790224 Z = -402798	11 14 12	LAT. = -12 31 45.2 LONG. = 98 59 51.9 RAD. = 1856745.7	1.4 1.3 14.3
1598	X = -209734 Y = 1807254 Z = -371347	10 14 14	LAT. = -11 32 9.4 LONG. = 96 37 10.7 RAD. = 1856893.4	1.6 1.1 14.1
1600	X = -135615 Y = 1820749 Z = -339191	9 13 14	LAT. = -10 31 27.4 LONG. = 94 15 35.0 RAD. = 1857031.9	1.5 1.0 13.3
1602	X = -61296 Y = 1830658 Z = -306409	9 14 14	LAT. = - 9 29 48.0 LONG. = 91 55 3.8 RAD. = 1857135.3	1.6 1.0 14.3
1604	X = 13291 Y = 1837015 Z = -272967	9 13 12	LAT. = - 8 27 6.0 LONG. = 89 35 7.7 RAD. = 1857231.8	1.4 1.0 13.1
1606	X = 87767 Y = 1839707 Z = -239028	9 13 11	LAT. = - 7 23 40.2 LONG. = 87 16 7.2 RAD. = 1857245.1	1.2 1.0 12.5
1608	X = 162115 Y = 1838826 Z = -204587	10 13 11	LAT. = - 6 19 27.4 LONG. = 84 57 42.1 RAD. = 1857260.8	1.2 1.1 13.4
1610	X = 236078 Y = 1834350 Z = -169738	10 13 10	LAT. = - 5 14 42.9 LONG. = 82 39 59.1 RAD. = 1857256.1	1.1 1.2 12.8

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1612	X = 309660 Y = 1826246 Z = -134647	13 13 11	LAT. = - 4 9 27.4 LONG. = 80 22 35.0 RAD. = 1857200.6	1.2 1.5 12.7
1614	X = 382519 Y = 1814614 Z = -99286	12 13 10	LAT. = - 3 3 52.5 LONG. = 78 5 46.9 RAD. = 1857149.5	1.1 1.3 13.2
1616	X = 454626 Y = 1799417 Z = -63737	11 13 9	LAT. = - 1 58 .7 LONG. = 75 49 15.1 RAD. = 1857053.5	1.0 1.3 13.1
1618	X = 525823 Y = 1780704 Z = -28083	12 14 9	LAT. = - 0 51 59.5 LONG. = 73 32 55.3 RAD. = 1856929.3	1.0 1.4 13.4
1620	X = 595987 Y = 1758512 Z = 7649	13 14 9	LAT. = 0 14 9.8 LONG. = 71 16 39.6 RAD. = 1856777.9	1.0 1.5 13.7
1622	X = 665018 Y = 1732897 Z = 43349	13 14 9	LAT. = 1 20 16.3 LONG. = 69 0 18.6 RAD. = 1856626.3	1.0 1.5 13.6
1624	X = 732675 Y = 1703892 Z = 78965	14 14 9	LAT. = 2 26 16.3 LONG. = 66 43 56.1 RAD. = 1856420.7	1.0 1.6 14.2
1626	X = 799003 Y = 1671518 Z = 114468	14 14 9	LAT. = 3 32 8.0 LONG. = 64 27 6.2 RAD. = 1856200.9	1.0 1.6 14.2
1628	X = 853708 Y = 1635929 Z = 149702	15 16 10	LAT. = 4 37 35.3 LONG. = 62 10 3.5 RAD. = 1855981.0	1.1 1.7 15.5
1630	X = 926714 Y = 1597110 Z = 184666	16 15 10	LAT. = 5 42 39.9 LONG. = 59 52 32.9 RAD. = 1855710.7	1.1 1.8 14.8
1632	X = 987926 Y = 1555163 Z = 219277	16 16 10	LAT. = 6 47 13.7 LONG. = 57 34 26.4 RAD. = 1855427.8	1.1 1.9 15.5

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1634	X = 1047224 Y = 1510186 Z = 253454	16 17 10	LAT. = 7 51 8.7 LONG. = 55 15 39.6 RAD. = 1855149.2	1.1 1.9 16.0
1636	X = 1104436 Y = 1462206 Z = 287151	17 16 10	LAT. = 8 54 21.8 LONG. = 52 56 7.7 RAD. = 1854799.3	1.1 1.9 15.1
1638	X = 1159473 Y = 1411383 Z = 320253	17 15 10	LAT. = 9 56 10.4 LONG. = 50 35 47.0 RAD. = 1854438.4	1.1 2.0 14.8
1640	X = 1212256 Y = 1357793 Z = 352753	17 16 10	LAT. = 10 58 4.2 LONG. = 48 14 27.9 RAD. = 1854077.0	1.1 2.0 14.9
1642	X = 1262633 Y = 1301559 Z = 384549	17 16 10	LAT. = 11 58 22.7 LONG. = 45 52 11.0 RAD. = 1853692.1	1.1 2.0 15.1
1644	X = 1310568 Y = 1242700 Z = 415649	18 16 10	LAT. = 12 57 37.3 LONG. = 43 28 38.6 RAD. = 1853282.2	1.1 2.2 15.3
1646	X = 1355967 Y = 1181384 Z = 445900	18 17 11	LAT. = 13 55 30.4 LONG. = 41 3 50.2 RAD. = 1852873.0	1.1 2.2 15.4
1648	X = 1398684 Y = 1117696 Z = 475323	19 18 11	LAT. = 14 52 5.2 LONG. = 38 37 42.7 RAD. = 1852429.2	1.1 2.4 15.8
1650	X = 1438656 Y = 1051800 Z = 503822	19 18 11	LAT. = 15 47 9.4 LONG. = 36 10 13.8 RAD. = 1851986.2	1.2 2.5 16.4
1652	X = 1475732 Y = 983831 Z = 531296	20 19 12	LAT. = 16 40 33.2 LONG. = 33 41 25.1 RAD. = 1851481.8	1.2 2.5 17.7
1654	X = 1509938 Y = 913949 Z = 557774	20 19 12	LAT. = 17 32 15.3 LONG. = 31 11 9.8 RAD. = 1851033.8	1.2 2.5 17.8

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1656	X = 1541131 Y = 842189 Z = 583086	20 19 12	LAT. = 18 21 59.9 LONG. = 28 39 19.7 RAD. = 1850501.5	1.2 2.5 17.9
1658	X = 1569285 Y = 768719 Z = 607298	19 19 12	LAT. = 19 9 50.6 LONG. = 26 5 53.0 RAD. = 1849972.2	1.2 2.5 17.5
1660	X = 1594325 Y = 69377 Z = 630306	20 20 12	LAT. = 19 55 34.4 LONG. = 23 30 54.3 RAD. = 1849438.5	1.2 2.6 18.2
1662	X = 1616171 Y = 617408 Z = 652058	19 20 12	LAT. = 20 39 3.9 LONG. = 20 54 28.0 RAD. = 1848886.3	1.2 2.6 18.0
1664	X = 1634110 Y = 542979 Z = 671739	19 20 12	LAT. = 21 18 37.9 LONG. = 18 22 48.7 RAD. = 1848370.1	1.2 2.6 18.3
1665	X = 1641742 Y = 506625 Z = 680809	19 20 12	LAT. = 21 36 57.3 LONG. = 17 8 58.9 RAD. = 1848103.4	1.2 2.6 18.5
1666	X = 1642632 Y = 470102 Z = 689587	20 21 13	LAT. = 21 54 43.9 LONG. = 15 54 55.2 RAD. = 1847839.8	1.2 2.7 19.0
1668	X = 1660291 Y = 396390 Z = 706251	20 22 13	LAT. = 22 28 38.3 LONG. = 13 25 40.3 RAD. = 1847789.9	1.2 2.8 19.4
1670	X = 1669101 Y = 321988 Z = 721732	21 22 13	LAT. = 23 0 18.3 LONG. = 10 55 7.8 RAD. = 1846746.3	1.2 2.8 20.6
1672	X = 1675041 Y = 247052 Z = 735957	20 22 13	LAT. = 23 29 34.3 LONG. = 8 23 24.2 RAD. = 1846193.3	1.2 2.9 20.6
1674	X = 1678088 Y = 171799 Z = 748941	21 23 14	LAT. = 23 56 25.9 LONG. = 5 50 43.7 RAD. = 1845645.3	1.3 2.9 21.3

EXPOSURE STATIONS MISSION 15 - REV 38 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1676	X = 1678272 Y = 96158 Z = 760634	20 24 13	LAT. = 24 20 45.3 LONG. = 3 16 45.3 RAD. = 1845103.7	1.2 3.0 21.2
1678	X = 1675535 Y = 20356 Z = 771022	20 25 13	LAT. = 24 42 31.0 LONG. = 0 41 45.7 RAD. = 1844534.0	1.3 3.1 21.4
1680	X = 1669925 Y = -55436 Z = 780079	20 25 13	LAT. = 25 1 36.4 LONG. = - 1 54 4.7 RAD. = 1843976.0	1.2 3.0 21.8
1682	X = 1661429 Y = -131220 Z = 787807	20 26 14	LAT. = 25 18 .8 LONG. = - 4 30 57.1 RAD. = 1843422.1	1.3 3.1 22.1
1684	X = 1650047 Y = -206721 Z = 794200	20 27 14	LAT. = 25 31 42.6 LONG. = - 7 8 27.3 RAD. = 1842862.7	1.3 3.2 22.7
1686	X = 1635809 Y = -281900 Z = 799210	20 27 14	LAT. = 25 42 34.7 LONG. = - 9 46 40.0 RAD. = 1842302.1	1.3 3.2 23.2
1688	X = 1618723 Y = -356688 Z = 802848	21 27 14	LAT. = 25 50 36.8 LONG. = - 12 25 35.8 RAD. = 1841753.3	1.3 3.2 23.6
1690	X = 1598843 Y = -430736 Z = 805092	21 28 14	LAT. = 25 55 46.3 LONG. = - 15 4 40.0 RAD. = 1841196.8	1.3 3.3 24.3
1692	X = 1576218 Y = -503979 Z = 805939	21 28 14	LAT. = 25 58 1.6 LONG. = - 17 43 52.1 RAD. = 1840650.5	1.3 3.3 24.7
1694	X = 1550824 Y = -576423 Z = 805403	21 29 14	LAT. = 25 57 24.5 LONG. = - 20 23 22.2 RAD. = 1840106.9	1.3 3.3 25.1
1696	X = 1522709 Y = -647917 Z = 803486	21 29 14	LAT. = 25 53 54.7 LONG. = - 23 2 59.7 RAD. = 1839572.7	1.3 3.3 25.7

EXPOSURE STATIONS
MISSION 15 - REV 38
(CONTINUED)

FFAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1698	X = 1491903 Y = -718375 Z = 800150	22 30 14	LAT. = 25 47 27.8 LONG. = - 25 42 41.6 RAD. = 1839042.4	1.4 3.4 26.4
1700	X = 1455566 Y = -787390 Z = 795463	22 32 16	LAT. = 25 38 12.4 LONG. = - 28 21 42.8 RAD. = 1838521.3	1.6 3.6 27.1
1702	X = 1422709 Y = -855009 Z = 789398	23 33 18	LAT. = 25 26 5.5 LONG. = - 31 0 16.9 RAD. = 1838012.5	1.7 3.7 29.2

EXPOSURE STATIONS MISSION 15 - REV 44

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1714	X = -1020575 Y = 1363477 Z = -724296	16 16 14	LAT. = -23 2 19.6 LONG. = 126 48 54.7 RAD. = 1850742.4	1.4 2.0 16.1
1716	X = -964160 Y = 1412364 Z = -708907	15 15 13	LAT. = -22 30 58.5 LONG. = 124 19 10.8 RAD. = 1851196.0	1.4 1.9 15.6
1718	X = -906083 Y = 1458868 Z = -692287	15 15 14	LAT. = -21 57 18.2 LONG. = 121 50 37.9 RAD. = 1851633.0	1.5 1.8 15.4
1720	X = -846392 Y = 1502931 Z = -674471	14 15 14	LAT. = -21 21 24.6 LONG. = 119 23 11.5 RAD. = 1852050.6	1.5 1.7 15.1
1722	X = -785318 Y = 1544410 Z = -655562	14 15 13	LAT. = -20 43 30.0 LONG. = 116 57 10.4 RAD. = 1852481.8	1.4 1.6 14.9
1724	X = -722944 Y = 1583239 Z = -635530	13 14 13	LAT. = -20 3 33.9 LONG. = 114 32 33.2 RAD. = 1852887.4	1.4 1.6 14.8
1726	X = -659327 Y = 1619385 Z = -614446	13 14 14	LAT. = -19 21 45.1 LONG. = 112 9 12.7 RAD. = 1853284.9	1.5 1.5 14.7
1728	X = -594533 Y = 1652791 Z = -592299	14 14 18	LAT. = -18 38 4.7 LONG. = 109 47 3.8 RAD. = 1853646.2	2.0 1.5 14.8
1730	X = -528790 Y = 1683380 Z = -569137	13 14 14	LAT. = -17 52 38.0 LONG. = 107 26 19.5 RAD. = 1853996.3	1.5 1.5 14.7
1732	X = -461923 Y = 1711194 Z = -544970	15 14 14	LAT. = -17 5 27.6 LONG. = 105 6 23.3 RAD. = 1854332.6	1.6 1.7 14.1
1734	X = -389151 Y = 1737855 Z = -517934	14 14 11	LAT. = -16 12 57.4 LONG. = 102 37 18.5 RAD. = 1854679.0	1.3 1.6 14.5

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1736	X = -315715 Y = 1761045 Z = -489926	15 14 11	LAT. = -15 18 51.3 LONG. = 100 9 49.8 RAD. = 1854988.5	1.2 1.7 14.5
1738	X = -241602 Y = 1780810 Z = -460957	14 15 11	LAT. = -14 23 9.8 LONG. = 97 43 34.0 RAD. = 1855299.5	1.2 1.6 15.3
1740	X = -167051 Y = 1797055 Z = -431099	12 14 11	LAT. = -13 26 2.6 LONG. = 95 18 39.1 RAD. = 1855574.7	1.2 1.4 14.4
1742	X = -92086 Y = 1809785 Z = -400352	12 14 12	LAT. = -12 27 29.5 LONG. = 92 54 46.2 RAD. = 1855824.0	1.4 1.3 14.3
1744	X = -17035 Y = 1818956 Z = -368880	9 13 12	LAT. = -11 27 48.6 LONG. = 90 32 11.6 RAD. = 1856061.5	1.3 1.0 13.4
1745	X = 20552 Y = 1822193 Z = -352842	9 15 13	LAT. = -10 57 29.6 LONG. = 89 21 13.7 RAD. = 1856153.6	1.5 1.0 14.5
1746	X = 58090 Y = 1824543 Z = -336647	8 13 14	LAT. = -10 26 56.1 LONG. = 88 10 35.2 RAD. = 1856249.2	1.5 1.0 13.3
1748	X = 133082 Y = 1826573 Z = -303777	9 14 11	LAT. = - 9 25 4.5 LONG. = 85 49 58.3 RAD. = 1856438.0	1.3 1.0 13.6
1750	X = 207842 Y = 1825032 Z = -270312	9 14 12	LAT. = - 8 22 18.1 LONG. = 83 30 10.6 RAD. = 1856612.2	1.3 1.1 14.1
1752	X = 282169 Y = 1819895 Z = -236342	11 14 13	LAT. = - 7 18 46.6 LONG. = 81 11 11.9 RAD. = 1856742.9	1.5 1.3 13.7
1754	X = 355983 Y = 1811166 Z = -201878	11 14 10	LAT. = - 6 14 30.0 LONG. = 78 52 49.1 RAD. = 1856825.6	1.2 1.2 14.0

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1756	X = 429072 Y = 1798900 Z = -167049	12 14 10	LAT. = - 5 9 41.1 LONG. = 76 35 4.3 RAD. = 1856892.2	1.2 1.3 13.8
1758	X = 501215 Y = 1783144 Z = -131938	12 14 10	LAT. = - 4 4 27.7 LONG. = 74 18 .5 RAD. = 1856939.6	1.1 1.4 13.9
1760	X = 572362 Y = 1763918 Z = -96567	13 15 10	LAT. = - 2 58 51.1 LONG. = 72 1 21.4 RAD. = 1856968.4	1.1 1.4 15.0
1762	X = 642390 Y = 1741302 Z = -61028	15 16 11	LAT. = - 1 52 59.8 LONG. = 69 45 1.0 RAD. = 1857019.5	1.2 1.6 16.5
1764	X = 711204 Y = 1715227 Z = -25361	14 15 10	LAT. = - 0 46 57.0 LONG. = 67 28 44.8 RAD. = 1857002.5	1.1 1.6 14.8
1766	X = 778726 Y = 1685765 Z = 10431	15 16 10	LAT. = 0 19 18.6 LONG. = 65 12 20.8 RAD. = 1856966.9	1.1 1.7 16.2
1768	X = 844703 Y = 1652926 Z = 46189	14 15 9	LAT. = 1 25 31.4 LONG. = 62 55 52.9 RAD. = 1856830.9	1.0 1.6 14.6
1770	X = 908950 Y = 1616980 Z = 81802	15 15 9	LAT. = 2 31 30.3 LONG. = 60 39 30.4 RAD. = 1856745.9	1.0 1.7 14.4
1772	X = 971404 Y = 1577868 Z = 117261	15 15 9	LAT. = 3 37 16.0 LONG. = 58 22 54.3 RAD. = 1856621.4	1.0 1.7 14.7
1774	X = 1031973 Y = 1535674 Z = 152492	16 15 9	LAT. = 4 42 41.8 LONG. = 56 5 56.0 RAD. = 1856479.3	1.0 1.8 14.7
1776	X = 1090513 Y = 1490476 Z = 187435	16 15 11	LAT. = 5 47 42.5 LONG. = 53 48 31.6 RAD. = 1856305.3	1.1 1.9 14.6

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1778	X = 1146902 Y = 1442372 Z = 221991	17 16 10	LAT. = 6 52 8.7 LONG. = 51 30 36.1 RAD. = 1856098.2	1.1 2.0 14.9
1780	X = 1201075 Y = 1391435 Z = 256128	17 16 10	LAT. = 7 55 57.6 LONG. = 49 11 58.3 RAD. = 1855875.5	1.1 2.1 14.7
1782	X = 1252877 Y = 1337761 Z = 289769	17 16 10	LAT. = 8 59 2.4 LONG. = 46 52 36.0 RAD. = 1855604.9	1.1 2.0 14.9
1784	X = 1302316 Y = 1281456 Z = 322876	17 16 10	LAT. = 10 1 18.3 LONG. = 44 32 14.7 RAD. = 1855372.0	1.1 2.0 15.2
1786	X = 1349188 Y = 1222613 Z = 355343	18 16 10	LAT. = 11 2 35.8 LONG. = 42 10 56.6 RAD. = 1855089.8	1.1 2.2 15.3
1788	X = 1393424 Y = 1161337 Z = 387163	18 17 10	LAT. = 12 2 54.1 LONG. = 39 48 33.2 RAD. = 1854785.3	1.1 2.3 15.7
1790	X = 1434932 Y = 1097766 Z = 418211	18 17 11	LAT. = 13 1 59.7 LONG. = 37 25 1.4 RAD. = 1854459.7	1.1 2.3 15.7
1792	X = 1473555 Y = 1032065 Z = 448423	18 17 11	LAT. = 13 59 45.8 LONG. = 35 0 23.9 RAD. = 1854097.2	1.1 2.3 16.0
1794	X = 1509337 Y = 964356 Z = 477769	19 18 11	LAT. = 14 56 8.1 LONG. = 32 34 32.2 RAD. = 1853737.7	1.1 2.3 16.6
1796	X = 1542101 Y = 894736 Z = 506154	20 20 12	LAT. = 15 50 56.9 LONG. = 30 7 21.2 RAD. = 1853326.6	1.2 2.6 17.6
1798	X = 1571868 Y = 823342 Z = 533583	20 19 12	LAT. = 16 44 10.4 LONG. = 27 38 43.8 RAD. = 1852936.2	1.2 2.5 18.2

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1800	X = 1598532 Y = 750261 Z = 559960	20 20 12	LAT. = 17 35 39.0 LONG. = 25 8 33.8 RAD. = 1852499.1	1.2 2.6 17.9
1802	X = 1620614 Y = 680671 Z = 583618	20 21 12	LAT. = 18 22 2.8 LONG. = 22 46 58.1 RAD. = 1852110.5	1.2 2.7 18.6
1804	X = 1639707 Y = 610463 Z = 606090	20 20 12	LAT. = 19 6 22.8 LONG. = 20 25 13.1 RAD. = 1851660.7	1.2 2.6 18.1
1806	X = 1656037 Y = 539207 Z = 627546	20 20 12	LAT. = 19 48 55.3 LONG. = 18 2 7.1 RAD. = 1851220.7	1.2 2.6 18.5
1808	X = 1669566 Y = 466930 Z = 647984	20 21 12	LAT. = 20 29 39.8 LONG. = 15 37 29.3 RAD. = 1851772.5	1.2 2.6 18.8
1810	X = 1680225 Y = 393942 Z = 667290	20 21 12	LAT. = 21 8 21.9 LONG. = 13 11 42.4 RAD. = 1850303.3	1.2 2.7 19.4
1812	X = 1688018 Y = 320287 Z = 685459	20 22 13	LAT. = 21 44 59.2 LONG. = 10 44 37.2 RAD. = 1849822.1	1.2 2.8 20.1
1814	X = 1692941 Y = 246037 Z = 702488	20 22 13	LAT. = 22 19 29.5 LONG. = 8 16 8.2 RAD. = 1849344.1	1.2 2.8 20.4
1816	X = 1694953 Y = 171406 Z = 718308	21 23 13	LAT. = 22 51 44.4 LONG. = 5 46 28.3 RAD. = 1848840.9	1.2 2.9 21.2
1818	X = 1694057 Y = 96512 Z = 732896	21 24 13	LAT. = 23 21 39.0 LONG. = 3 15 38.4 RAD. = 1848518.1	1.2 2.9 21.5
1820	X = 1690260 Y = 21407 Z = 746264	21 24 13	LAT. = 23 49 12.6 LONG. = 0 43 32.2 RAD. = 1847794.7	1.3 3.0 21.8

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1822	X = 1683586 Y = -53708 Z = 758335	21 25 14	LAT. = 24 14 14.1 LONG. = - 1 49 37.8 RAD. = 1847273.7	1.3 3.0 22.6
1824	X = 1674043 Y = -128740 Z = 769126	20 26 13	LAT. = 24 36 43.3 LONG. = - 4 23 51.4 RAD. = 1846767.2	1.3 3.1 22.4
1826	X = 1661613 Y = -203504 Z = 778595	20 26 14	LAT. = 24 56 35.8 LONG. = - 6 58 56.9 RAD. = 1846234.8	1.3 3.1 22.8
1828	X = 1646292 Y = -278010 Z = 786756	20 27 14	LAT. = 25 13 51.4 LONG. = - 9 35 6.5 RAD. = 1845685.0	1.3 3.2 23.2
1830	X = 1628172 Y = -352029 Z = 793548	21 27 14	LAT. = 25 28 19.6 LONG. = - 12 12 .7 RAD. = 1845151.8	1.3 3.2 23.6
1832	X = 1607243 Y = -425379 Z = 798995	21 28 14	LAT. = 25 40 4.0 LONG. = - 14 49 27.3 RAD. = 1844605.9	1.3 3.3 24.2
1834	X = 1583549 Y = -498020 Z = 803069	21 28 14	LAT. = 25 48 59.0 LONG. = - 17 27 29.4 RAD. = 1844063.8	1.3 3.3 24.7
1836	X = 1557080 Y = -569894 Z = 805768	21 29 14	LAT. = 25 55 4.4 LONG. = - 20 6 9.8 RAD. = 1843513.0	1.3 3.3 25.1
1838	X = 1527941 Y = -640736 Z = 807081	21 30 14	LAT. = 25 58 17.6 LONG. = - 22 45 1.9 RAD. = 1842967.0	1.3 3.4 25.7
1840	X = 1496187 Y = -710433 Z = 807013	22 30 15	LAT. = 25 58 38.2 LONG. = - 25 23 58.9 RAD. = 1842433.3	1.4 3.4 26.3
1842	X = 1461739 Y = -779070 Z = 805565	22 31 15	LAT. = 25 56 7.4 LONG. = - 28 3 23.4 RAD. = 1841892.1	1.4 3.5 27.1

EXPOSURE STATIONS
MISSION 15 - REV 44
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1844	X = 1424747 Y = -846368 Z = 802710	22 32 15	LAT. = 25 50 41.2 LONG. = - 30 42 44.4 RAD. = 1841354.4	1.4 3.5 27.3
1846	X = 1385418 Y = -911950 Z = 798479	23 33 16	LAT. = 25 42 23.9 LONG. = - 33 21 17.5 RAD. = 1840816.6	1.6 3.7 28.2
1848	X = 1343680 Y = -975978 Z = 792853	26 37 26	LAT. = 25 31 14.1 LONG. = - 35 59 33.6 RAD. = 1840280.4	2.6 4.4 31.2

EXPOSURE STATIONS MISSION 15 - REV 50

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1854	X = -925355 Y = 1393657 Z = -797366	16 16 16	LAT. = -25 29 3.6 LONG. = 123 34 59.6 RAD. = 1853200.8	1.6 2.0 17.4
1856	X = -862893 Y = 1443980 Z = -778375	15 17 16	LAT. = -24 49 51.7 LONG. = 120 51 42.0 RAD. = 1853518.0	1.6 1.9 17.0
1858	X = -798781 Y = 1491385 Z = -757857	15 16 15	LAT. = -24 7 48.2 LONG. = 118 10 24.0 RAD. = 1853814.2	1.6 1.8 16.0
1860	X = -733079 Y = 1535820 Z = -735833	14 15 15	LAT. = -23 22 58.3 LONG. = 115 30 58.1 RAD. = 1854076.8	1.6 1.7 15.7
1862	X = -665995 Y = 1577193 Z = -712388	13 15 15	LAT. = -22 35 32.7 LONG. = 112 53 33.7 RAD. = 1854342.4	1.7 1.6 15.2
1864	X = -597542 Y = 1615467 Z = -687515	12 15 16	LAT. = -21 45 34.3 LONG. = 110 17 55.9 RAD. = 1854579.8	1.8 1.5 14.7
1866	X = -527864 Y = 1650537 Z = -661305	12 15 14	LAT. = -20 53 16.1 LONG. = 107 44 6.0 RAD. = 1854787.6	1.6 1.4 14.9
1868	X = -457197 Y = 1682345 Z = -633805	12 15 14	LAT. = -19 58 44.0 LONG. = 105 12 13.0 RAD. = 1854999.8	1.6 1.3 15.0
1870	X = -385617 Y = 1710806 Z = -605043	11 14 13	LAT. = -19 2 4.7 LONG. = 102 42 8.1 RAD. = 1855164.1	1.4 1.3 14.6
1872	X = -313285 Y = 1735889 Z = -575101	11 14 12	LAT. = -18 3 27.8 LONG. = 100 13 49.2 RAD. = 1855316.1	1.4 1.3 14.7
1874	X = -240377 Y = 1757534 Z = -544050	12 14 12	LAT. = -17 3 2.4 LONG. = 97 47 16.8 RAD. = 1855450.5	1.4 1.4 14.7

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1876	X = -166989 Y = 1775696 Z = -511941	12 15 11	LAT. = -16 0 55.8 LONG. = 95 22 20.5 RAD. = 1855549.7	1.2 1.4 14.7
1878	X = -93301 Y = 1790402 Z = -478837	15 15 11	LAT. = -14 57 13.5 LONG. = 92 58 59.1 RAD. = 1855674.6	1.1 1.8 14.8
1880	X = -19367 Y = 1801542 Z = -444766	12 14 10	LAT. = -13 52 1.7 LONG. = 90 36 57.4 RAD. = 1855732.8	1.1 1.4 14.3
1882	X = 54526 Y = 1809140 Z = -409863	10 13 10	LAT. = -12 45 33.7 LONG. = 88 16 25.3 RAD. = 1855787.3	1.1 1.1 13.4
1884	X = 128313 Y = 1813191 Z = -374153	10 13 11	LAT. = -11 37 51.9 LONG. = 85 57 7.7 RAD. = 1855832.8	1.2 1.1 13.5
1886	X = 201910 Y = 1813660 Z = -337687	9 14 12	LAT. = -10 29 1.9 LONG. = 83 38 51.2 RAD. = 1855845.8	1.4 1.1 13.9
1888	X = 27507 Y = 1810543 Z = -300574	9 14 12	LAT. = - 9 19 15.0 LONG. = 81 21 40.6 RAD. = 1855822.2	1.3 1.1 13.7
1890	X = 347688 Y = 1803864 Z = -262867	10 14 12	LAT. = - 8 8 35.5 LONG. = 79 5 24.9 RAD. = 1855778.2	1.4 1.1 13.9
1892	X = 419673 Y = 1793660 Z = -224618	11 13 11	LAT. = - 6 57 7.5 LONG. = 76 49 51.8 RAD. = 1855746.5	1.2 1.2 13.5
1894	X = 490775 Y = 1779856 Z = -185974	12 14 10	LAT. = - 5 45 7.1 LONG. = 74 35 3.9 RAD. = 1855622.0	1.1 1.3 13.7
1896	X = 560937 Y = 1762558 Z = -146976	12 14 10	LAT. = - 4 32 35.7 LONG. = 72 20 46.5 RAD. = 1855495.6	1.2 1.4 14.0

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1898	X = 629954 Y = 1741845 Z = -107684	14 15 10	LAT. = - 3 19 38.0 LONG. = 70 7 1.3 RAD. = 1855387.0	1.1 1.5 14.6
1900	X = 697733 Y = 1717682 Z = -68138	15 16 12	LAT. = - 2 6 17.3 LONG. = 67 53 33.7 RAD. = 1855237.6	1.3 1.7 15.7
1902	X = 764164 Y = 1690139 Z = -28543	18 16 12	LAT. = - 0 52 53.8 LONG. = 65 40 14.9 RAD. = 1855082.2	1.4 2.0 15.6
1904	X = 829170 Y = 1659254 Z = 11239	16 16 10	LAT. = 0 20 49.8 LONG. = 63 26 51.3 RAD. = 1854932.3	1.1 1.8 15.6
1906	X = 892375 Y = 1625093 Z = 50872	16 16 10	LAT. = 1 34 18.3 LONG. = 61 13 40.2 RAD. = 1854682.2	1.1 1.8 15.5
1908	X = 953911 Y = 1587734 Z = 90458	18 17 11	LAT. = 2 47 45.3 LONG. = 59 0 9.2 RAD. = 1854461.6	1.2 2.1 15.7
1910	X = 1013499 Y = 1547262 Z = 129810	19 17 10	LAT. = 4 0 52.2 LONG. = 56 46 26.8 RAD. = 1854198.4	1.1 2.3 14.4
1912	X = 1071036 Y = 1503816 Z = 168899	17 16 10	LAT. = 5 13 37.4 LONG. = 54 32 27.8 RAD. = 1853943.9	1.1 2.1 14.9
1914	X = 1126547 Y = 1457323 Z = 207706	18 16 10	LAT. = 6 26 .9 LONG. = 52 17 43.0 RAD. = 1853664.1	1.1 2.1 15.1
1916	X = 1179749 Y = 1408007 Z = 246053	17 16 10	LAT. = 7 37 45.3 LONG. = 50 2 27.0 RAD. = 1853330.4	1.1 2.0 15.0
1918	X = 1230673 Y = 1355929 Z = 233923	17 16 10	LAT. = 8 48 49.6 LONG. = 47 46 20.6 RAD. = 1853028.8	1.1 2.0 15.1

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1920	X = 1279171 Y = 1301205 Z = 321238	18 17 10	LAT. = 9 59 5.1 LONG. = 45 29 21.3 RAD. = 1852729.9	1.1 2.2 15.1
1922	X = 1325171 Y = 1243606 Z = 357986	18 17 11	LAT. = 11 8 34.8 LONG. = 43 11 9.4 RAD. = 1852373.3	1.1 2.3 15.9
1924	X = 1368599 Y = 1185908 Z = 394042	19 18 11	LAT. = 12 17 3.6 LONG. = 40 51 41.4 RAD. = 1852017.7	1.1 2.4 16.3
1925	X = 1389284 Y = 1153102 Z = 411767	19 17 11	LAT. = 12 50 50.8 LONG. = 39 41 33.3 RAD. = 1851838.6	1.1 2.3 16.3
1926	X = 1409275 Y = 1121720 Z = 429284	18 17 11	LAT. = 17 24 19.4 LONG. = 38 31 5.8 RAD. = 1851645.5	1.1 2.2 16.0
1927	X = 1428573 Y = 1089785 Z = 446585	18 17 11	LAT. = 13 57 28.2 LONG. = 37 20 17.3 RAD. = 1851456.2	1.1 2.2 16.1
1928	X = 1447165 Y = 1057279 Z = 463701	19 17 11	LAT. = 14 30 21.1 LONG. = 36 9 4.9 RAD. = 1851254.6	1.1 2.3 16.6
1930	X = 1482161 Y = 990774 Z = 497179	19 18 11	LAT. = 15 34 56.4 LONG. = 33 45 40.9 RAD. = 1850843.1	1.2 2.3 16.9
1932	X = 1514300 Y = 922097 Z = 529861	24 25 12	LAT. = 16 38 21.0 LONG. = 31 20 18.0 RAD. = 1850437.3	1.3 3.5 17.9
1934	X = 1543321 Y = 851908 Z = 561163	20 19 12	LAT. = 17 39 28.2 LONG. = 28 53 54.8 RAD. = 1849997.6	1.2 2.5 18.2
1936	X = 1564280 Y = 779949 Z = 591432	22 20 13	LAT. = 18 39 2.8 LONG. = 26 25 40.3 RAD. = 1849543.8	1.3 2.6 20.5

EXPOSURE STATIONS
MISSION 15 - REV 50
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1938	X = 1592192	20	LAT. = 19 36 47.4	1.2
	Y = 706329	19	LONG. = 23 55 23.0	2.5
	Z = 620689	12	RAD. = 1849116.5	18.4
1940	X = 1611883	19	LAT. = 20 32 31.1	1.2
	Y = 531324	20	LONG. = 21 23 19.4	2.6
	Z = 648681	12	RAD. = 1848654.5	17.9

EXPOSURE STATIONS
MISSION 15 - REV 60

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD C
1952	X = -720605 Y = 1504700 Z = -809339	18 28 27	LAT. = -25 52 43.1 LONG. = 115 35 23.6 RAD. = 1854298.7	3.5 2.7 19.5
1954	X = -651651 Y = 1545604 Z = -791563	15 19 18	LAT. = -25 15 47.1 LONG. = 112 51 39.8 RAD. = 1854753.5	2.2 2.0 17.1
1956	X = -581337 Y = 1583520 Z = -772240	13 16 15	LAT. = -24 35 53.6 LONG. = 110 9 32.6 RAD. = 1855220.8	1.6 1.6 16.2
1958	X = -509887 Y = 1618292 Z = -751392	13 16 16	LAT. = -23 53 10.2 LONG. = 107 29 18.5 RAD. = 1855652.1	1.9 1.6 15.3
1960	X = -437429 Y = 1649863 Z = -729073	12 16 16	LAT. = -23 7 45.5 LONG. = 104 50 57.1 RAD. = 1856054.9	1.7 1.5 15.4
1962	X = -364193 Y = 1678175 Z = -705348	12 15 14	LAT. = -22 19 48.7 LONG. = 102 14 39.5 RAD. = 1856454.4	1.6 1.4 15.1
1964	X = -290223 Y = 1703165 Z = -680234	11 15 15	LAT. = -21 29 25.7 LONG. = 99 40 13.6 RAD. = 1856803.6	1.6 1.3 15.0
1966	X = -215671 Y = 1724843 Z = -653815	10 15 14	LAT. = -20 36 45.8 LONG. = 97 7 37.8 RAD. = 1857168.1	1.5 1.2 14.6
1968	X = -140692 Y = 1743112 Z = -626116	10 15 13	LAT. = -19 41 56.0 LONG. = 94 36 52.2 RAD. = 1857485.8	1.5 1.2 15.4
1970	X = -65436 Y = 1757996 Z = -597186	10 14 13	LAT. = -18 45 1.4 LONG. = 92 7 54.0 RAD. = 1857811.4	1.4 1.2 14.4
1972	X = 9862 Y = 1769405 Z = -567114	11 15 15	LAT. = -17 46 15.5 LONG. = 89 40 50.3 RAD. = 1858093.2	1.6 1.3 15.1

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1974	X = 85151	10	LAT. = -16 45 44.7	1.3
	Y = 1777328	14	LONG. = 87 15 25.5	1.2
	Z = -535949	12	RAD. = 1858328.7	14.5
1976	X = 160273	12	LAT. = -15 43 35.1	1.2
	Y = 1781783	15	LONG. = 84 51 36.1	1.4
	Z = -503749	12	RAD. = 1858548.3	15.1
1978	X = 235108	13	LAT. = -14 39 49.0	1.1
	Y = 1782787	14	LONG. = 82 29 14.6	1.5
	Z = -470535	10	RAD. = 1858764.8	14.3
1980	X = 309473	13	LAT. = -13 34 43.2	1.1
	Y = 1780281	14	LONG. = 80 8 19.0	1.5
	Z = -436442	10	RAD. = 1858939.3	14.3
1982	X = 383210	13	LAT. = -12 28 18.8	1.2
	Y = 1774301	14	LONG. = 77 48 45.3	1.5
	Z = -401488	11	RAD. = 1859081.6	14.3
1984	X = 456231	12	LAT. = -11 20 45.4	1.3
	Y = 1764855	14	LONG. = 75 30 21.0	1.3
	Z = -365766	12	RAD. = 1859205.1	14.3
1986	X = 528404	12	LAT. = -10 12 6.1	1.3
	Y = 1751940	14	LONG. = 73 12 58.1	1.3
	Z = -329305	12	RAD. = 1859286.9	14.5
1988	X = 599480	12	LAT. = -9 2 34.1	1.3
	Y = 1735610	14	LONG. = 70 56 42.2	1.3
	Z = -292235	12	RAD. = 1859333.3	14.2
1990	X = 639410	12	LAT. = -7 52 7.2	1.5
	Y = 1715915	15	LONG. = 68 41 18.0	1.4
	Z = -254553	13	RAD. = 1859373.5	15.1
1992	X = 738033	14	LAT. = -6 41 4.1	1.4
	Y = 1692870	15	LONG. = 66 26 40.1	1.5
	Z = -216436	13	RAD. = 1859394.3	14.7
1994	X = 805203	15	LAT. = -5 29 23.8	1.5
	Y = 1666514	16	LONG. = 64 12 42.3	1.7
	Z = -177888	13	RAD. = 1859372.0	16.1

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1996	X = 870779 Y = 1636897 Z = -139013	15 16 12	LAT. = - 4 17 16.0 LONG. = 61 59 18.2 RAD. = 1859304.4	1.3 1.7 15.7
1998	X = 934707 Y = 1604133 Z = -99853	16 16 12	LAT. = - 3 4 42.8 LONG. = 59 46 16.4 RAD. = 1859271.6	1.3 1.8 16.5
2000	X = 996782 Y = 1568222 Z = -60484	17 17 12	LAT. = - 1 51 51.5 LONG. = 57 33 34.0 RAD. = 1859180.8	1.3 1.9 16.3
2002	X = 1056946 Y = 1529241 Z = -20998	18 17 11	LAT. = - 0 38 49.8 LONG. = 55 20 58.0 RAD. = 1859072.8	1.3 2.0 17.3
2004	X = 1115011 Y = 1487257 Z = 18507	18 17 11	LAT. = 0 34 13.6 LONG. = 53 8 26.7 RAD. = 1858904.7	1.2 2.0 16.5
2006	X = 1170895 Y = 1442413 Z = 57979	18 17 11	LAT. = 1 47 14.9 LONG. = 50 55 53.9 RAD. = 1858739.7	1.2 2.0 16.5
2008	X = 1224500 Y = 1394738 Z = 97353	18 16 11	LAT. = 3 0 9.3 LONG. = 48 43 7.4 RAD. = 1858540.0	1.2 2.0 16.1
2010	X = 1275751 Y = 1344314 Z = 136548	18 16 10	LAT. = 4 12 49.8 LONG. = 46 29 56.4 RAD. = 1858323.9	1.1 2.1 15.6
2012	X = 1324490 Y = 1291303 Z = 175445	18 17 10	LAT. = 5 25 5.0 LONG. = 44 16 23.3 RAD. = 1858095.1	1.1 2.1 15.7
2014	X = 1370042 Y = 1235705 Z = 214048	19 18 11	LAT. = 6 36 57.8 LONG. = 42 2 10.6 RAD. = 1857805.9	1.2 2.3 16.0
2016	X = 1414090 Y = 1177755 Z = 252201	19 17 10	LAT. = 7 48 12.0 LONG. = 39 47 23.8 RAD. = 1857515.3	1.1 2.2 16.0

EXPOSURE STATIONS MISSION 15 - REV 60 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2018	X = 1454795 Y = 1117473 Z = 289858	19 17 10	LAT. = 8 58 44.4 LONG. = 37 31 44.4 RAD. = 1857200.2	1.1 2.3 16.2
2020	X = 1492615 Y = 1055031 Z = 326941	19 17 10	LAT. = 10 8 28.0 LONG. = 35 15 14.2 RAD. = 1856846.7	1.1 2.2 16.3
2022	X = 1527537 Y = 990498 Z = 363426	19 18 11	LAT. = 11 17 20.9 LONG. = 32 57 37.8 RAD. = 1856484.1	1.1 2.3 16.6
2024	X = 1559459 Y = 924045 Z = 399175	20 20 11	LAT. = 12 25 8.8 LONG. = 30 38 54.6 RAD. = 1856101.1	1.2 2.6 17.1
2026	X = 1588306 Y = 855803 Z = 434107	20 20 11	LAT. = 13 31 43.6 LONG. = 28 18 59.2 RAD. = 1855683.8	1.2 2.5 17.6
2028	X = 1614073 Y = 785795 Z = 468254	20 19 11	LAT. = 14 37 9.1 LONG. = 25 57 31.2 RAD. = 1855254.2	1.2 2.5 18.0
2030	X = 1636654 Y = 714307 Z = 501457	20 19 11	LAT. = 15 41 7.3 LONG. = 23 34 42.8 RAD. = 1854812.9	1.2 2.4 18.1
2032	X = 1656001 Y = 641433 Z = 533683	20 20 12	LAT. = 16 43 34.9 LONG. = 21 10 23.9 RAD. = 1854343.8	1.2 2.5 18.9
2033	X = 1664463 Y = 604480 Z = 549405	20 20 12	LAT. = 17 14 12.0 LONG. = 19 57 33.8 RAD. = 1854097.6	1.2 2.6 18.7
2034	X = 1672110 Y = 567270 Z = 564860	20 20 12	LAT. = 17 44 22.9 LONG. = 18 44 23.0 RAD. = 1853865.2	1.2 2.6 18.5
2036	X = 1684912 Y = 491980 Z = 594956	20 21 12	LAT. = 18 43 27.5 LONG. = 16 16 38.4 RAD. = 1853360.4	1.2 2.7 18.7

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2038	X = 1694386 Y = 415770 Z = 623853	20 21 12	LAT. = 19 40 33.8 LONG. = 13 47 12.8 RAD. = 1852835.9	1.2 2.6 19.3
2040	X = 1700531 Y = 338647 Z = 651572	20 22 12	LAT. = 20 35 42.6 LONG. = 11 15 45.5 RAD. = 1852304.8	1.2 2.8 19.7
2042	X = 1703312 Y = 260913 Z = 677986	21 23 13	LAT. = 21 28 37.9 LONG. = 8 42 32.0 RAD. = 1851759.0	1.2 2.8 20.5
2044	X = 1702734 Y = 182655 Z = 703078	21 23 13	LAT. = 22 19 15.3 LONG. = 6 7 22.1 RAD. = 1851211.6	1.2 2.9 20.9
2046	X = 1698762 Y = 104063 Z = 726773	21 24 13	LAT. = 23 7 25.2 LONG. = 3 30 19.6 RAD. = 1850627.1	1.2 3.0 21.5
2048	X = 1691425 Y = 25279 Z = 749031	21 25 13	LAT. = 23 52 60.0 LONG. = 0 51 22.5 RAD. = 1850028.3	1.2 3.1 21.6
2050	X = 1680764 Y = -53535 Z = 769820	21 26 14	LAT. = 24 35 51.5 LONG. = - 1 49 27.6 RAD. = 1849447.6	1.3 3.1 22.5
2052	X = 1666743 Y = -132307 Z = 789114	21 26 14	LAT. = 25 15 55.9 LONG. = - 4 32 19.2 RAD. = 1848847.9	1.3 3.1 22.7
2054	X = 1649434 Y = -210713 Z = 806814	21 27 14	LAT. = 25 52 58.1 LONG. = - 7 16 48.1 RAD. = 1848237.2	1.3 3.3 23.3
2056	X = 1630281 Y = -283738 Z = 821970	22 27 14	LAT. = 26 24 52.6 LONG. = - 9 52 22.8 RAD. = 1847690.1	1.3 3.3 24.5
2058	X = 1608454 Y = -355727 Z = 835590	22 28 14	LAT. = 26 53 45.6 LONG. = - 12 28 15.1 RAD. = 1847126.8	1.3 3.3 24.5

EXPOSURE STATIONS
MISSION 15 - REV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2060	X = 1583862 Y = -427034 Z = 847756	21 28 15	LAT. = 27 19 46.4 LONG. = - 15 5 20.6 RAD. = 1846527.9	1.4 3.4 24.8
2062	X = 1556526 Y = -497716 Z = 858484	21 29 15	LAT. = 27 42 52.2 LONG. = - 17 43 56.1 RAD. = 1845938.4	1.4 3.4 25.1
2064	X = 1526552 Y = -567439 Z = 867757	22 30 15	LAT. = 28 2 58.9 LONG. = - 20 23 26.6 RAD. = 1845358.9	1.4 3.5 25.5
2066	X = 1493922 Y = -636284 Z = 875541	22 30 15	LAT. = 28 20 .7 LONG. = - 23 4 11.6 RAD. = 1844784.9	1.4 3.5 25.8
2068	X = 1458748 Y = -703974 Z = 881834	22 30 15	LAT. = 28 33 55.1 LONG. = - 25 45 41.0 RAD. = 1844223.1	1.4 3.5 26.6
2070	X = 1421039 Y = -770403 Z = 886613	22 31 15	LAT. = 28 44 40.8 LONG. = - 28 27 50.1 RAD. = 1843625.7	1.5 3.6 27.1
2072	X = 1380910 Y = -835537 Z = 889859	23 32 16	LAT. = 28 52 5.9 LONG. = - 31 10 5.6 RAD. = 1843065.7	1.5 3.7 27.7
2074	X = 1338336 Y = -899282 Z = 891590	23 33 16	LAT. = 28 56 26.5 LONG. = - 33 53 55.1 RAD. = 1842493.6	1.5 3.8 28.3
2076	X = 1293460 Y = -961446 Z = 891773	25 35 17	LAT. = 28 57 25.3 LONG. = - 36 37 26.1 RAD. = 1841921.4	1.6 4.2 29.2
2078	X = 1246342 Y = -1021949 Z = 890432	27 40 17	LAT. = 28 55 8.3 LONG. = - 39 21 1.2 RAD. = 1841362.4	1.6 4.9 30.4
2080	X = 1197105 Y = -1080627 Z = 887541	33 48 18	LAT. = 28 49 33.2 LONG. = - 42 4 21.2 RAD. = 1840799.7	1.7 6.3 32.0

EXPOSURE STATIONS
MISSION 15 - RFV 60
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITIC..	STD DEV
2082	X = 1145636 Y = -1137600 Z = 883119	42 60 18	LAT. = 28 40 41.8 LONG. = - 44 47 54.0 RAD. = 1840248.8	1.7 8.4 33.7
2084	X = 1092364 Y = -1192397 Z = 877196	55 74 18	LAT. = 28 28 38.5 LONG. = - 47 30 25.0 RAD. = 1839712.9	1.8 10.9 35.6
2086	X = 1037226 Y = -1245119 Z = 869768	72 90 19	LAT. = 28 13 23.1 LONG. = - 50 12 16.5 RAD. = 1839199.4	2.2 13.8 38.9

EXPOSURE STATIONS MISSION 15 - REV 63

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2212	X = -630297 Y = 1545729 Z = -805463	15 20 19	LAT. = -25 45 29.0 LONG. = 112 11 2.4 RAD. = 1853462.7	2.3 2.0 18.1
2214	X = -559125 Y = 1582539 Z = -787467	13 16 15	LAT. = -25 8 5.3 LONG. = 109 27 31.6 RAD. = 1853956.5	1.6 1.7 15.8
2216	X = -486824 Y = 1616232 Z = -767930	13 15 15	LAT. = -24 27 46.7 LONG. = 106 45 46.1 RAD. = 1854433.0	1.6 1.6 15.6
2218	X = -413726 Y = 1646672 Z = -746918	12 15 14	LAT. = -23 44 44.3 LONG. = 104 6 13.1 RAD. = 1854881.1	1.5 1.5 15.2
2220	X = -339716 Y = 1673913 Z = -724431	11 15 15	LAT. = -22 56 59.9 LONG. = 101 28 19.9 RAD. = 1855314.3	1.6 1.4 14.9
2222	X = -265040 Y = 1697876 Z = -700521	11 15 14	LAT. = -22 10 41.7 LONG. = 98 52 20.3 RAD. = 1855737.0	1.6 1.3 14.8
2224	X = -189946 Y = 1718475 Z = -675277	10 14 13	LAT. = -21 20 5.4 LONG. = 96 18 26.7 RAD. = 1856134.0	1.5 1.2 14.5
2226	X = -114424 Y = 1735725 Z = -648730	10 15 13	LAT. = -20 27 9.4 LONG. = 93 46 17.9 RAD. = 1856524.6	1.5 1.2 14.7
2228	X = -38699 Y = 1749559 Z = -620895	10 14 13	LAT. = -19 32 4.9 LONG. = 91 16 1.7 RAD. = 1856869.5	1.5 1.2 14.4
2230	X = 37165 Y = 1759493 Z = -591836	10 14 13	LAT. = -18 34 56.9 LONG. = 88 47 24.9 RAD. = 1857209.3	1.5 1.2 14.3
2232	X = 112848 Y = 1766950 Z = -561614	10 14 12	LAT. = -17 36 3.5 LONG. = 86 20 44.5 RAD. = 1857503.2	1.4 1.2 14.2

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2234	X = 188276 Y = 1770485 Z = -530444	11 14 11	LAT. = -16 35 24.2 LONG. = 83 55 47.6 RAD. = 1857804.2	1.3 1.3 14.4
2236	X = 263414 Y = 1770539 Z = -498154	12 15 11	LAT. = -15 33 5.7 LONG. = 81 32 16.1 RAD. = 1858050.6	1.2 1.4 14.5
2238	X = 337952 Y = 1767167 Z = -464900	13 15 10	LAT. = -14 29 16.7 LONG. = 79 10 24.6 RAD. = 1858284.7	1.1 1.5 14.6
2240	X = 411873 Y = 1760351 Z = -430760	13 15 10	LAT. = -13 24 6.4 LONG. = 76 49 52.6 RAD. = 1858502.1	1.1 1.5 14.9
2242	X = 485017 Y = 1750095 Z = -395779	13 15 11	LAT. = -12 17 39.8 LONG. = 74 30 35.9 RAD. = 1858686.2	1.2 1.5 15.4
2244	X = 557184 Y = 1736413 Z = -360069	14 15 13	LAT. = -11 10 9.3 LONG. = 72 12 34.2 RAD. = 1858826.2	1.5 1.6 15.0
2246	X = 628261 Y = 1719360 Z = -323611	13 15 13	LAT. = -10 1 31.3 LONG. = 69 55 39.0 RAD. = 1858933.6	1.4 1.4 14.9
2248	X = 698123 Y = 1698987 Z = -286542	13 15 12	LAT. = - 8 51 59.7 LONG. = 67 39 43.1 RAD. = 1859043.1	1.4 1.4 15.1
2250	X = 766645 Y = 1675271 Z = -248926	14 15 14	LAT. = - 7 41 41.3 LONG. = 65 24 36.0 RAD. = 1859096.9	1.6 1.6 15.5
2252	X = 833641 Y = 1648318 Z = -210833	15 16 13	LAT. = - 6 30 41.7 LONG. = 63 10 18.7 RAD. = 1859128.8	1.5 1.6 15.8
2254	X = 899031 Y = 1618185 Z = -172348	16 16 12	LAT. = - 5 19 8.6 LONG. = 60 56 39.6 RAD. = 1859162.0	1.3 1.7 16.9

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2256	X = 962692 Y = 1584922 Z = -133527	16 16 11	LAT. = - 4 7 6.8 LONG. = 58 43 30.8 RAD. = 1859188.9	1.3 1.8 15.8
2258	X = 1024453 Y = 1548562 Z = -94454	17 16 12	LAT. = - 2 54 43.7 LONG. = 56 30 48.0 RAD. = 1859158.4	1.3 1.9 15.7
2260	X = 1084276 Y = 1509161 Z = -55169	18 17 12	LAT. = - 1 42 1.8 LONG. = 54 18 14.9 RAD. = 1859103.2	1.3 2.0 16.5
2262	X = 1141927 Y = 1466846 Z = -15794	17 17 11	LAT. = - 0 29 12.5 LONG. = 52 5 58.4 RAD. = 1859000.9	1.2 2.0 16.2
2264	X = 1197392 Y = 1421693 Z = 23606	17 17 11	LAT. = 0 43 39.4 LONG. = 49 53 41.7 RAD. = 1858901.6	1.2 2.0 16.2
2266	X = 1250541 Y = 1373722 Z = 62968	18 18 11	LAT. = 1 56 28.8 LONG. = 47 41 14.9 RAD. = 1858744.2	1.3 2.2 16.4
2268	X = 1301190 Y = 1323191 Z = 102171	19 17 11	LAT. = 3 9 4.6 LONG. = 45 28 49.2 RAD. = 1858593.3	1.2 2.1 16.8
2270	X = 1349356 Y = 1270054 Z = 141211	19 18 11	LAT. = 4 21 22.0 LONG. = 43 15 57.3 RAD. = 1858423.4	1.2 2.2 16.8
2272	X = 1394934 Y = 1214377 Z = 179970	19 18 11	LAT. = 5 33 28.4 LONG. = 41 2 29.8 RAD. = 1858209.2	1.2 2.2 16.5
2274	X = 1437770 Y = 1156361 Z = 218406	19 18 11	LAT. = 6 45 2.8 LONG. = 38 48 31.8 RAD. = 1857970.3	1.2 2.3 16.2
2276	X = 1477776 Y = 1096124 Z = 256383	19 17 11	LAT. = 7 55 58.0 LONG. = 36 33 56.8 RAD. = 1857698.4	1.2 2.2 16.7

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2278	X = 1514929 Y = 1033709 Z = 293896	19 13 11	LAT. = 9 6 14.9 LONG. = 34 18 27.4 RAD. = 1857400.5	1.1 2.4 16.6
2280	X = 1549105 Y = 969354 Z = 330792	19 19 11	LAT. = 10 15 37.7 LONG. = 32 2 10.7 RAD. = 1857093.7	1.2 2.4 16.9
2282	X = 1580290 Y = 903045 Z = 367088	20 18 11	LAT. = 11 24 9.6 LONG. = 29 44 43.8 RAD. = 1856761.2	1.1 2.3 17.3
2284	X = 1608366 Y = 835019 Z = 402647	20 19 11	LAT. = 12 31 36.6 LONG. = 27 26 13.5 RAD. = 1856400.3	1.2 2.5 17.5
2286	X = 1633303 Y = 765391 Z = 437397	20 20 12	LAT. = 13 37 50.7 LONG. = 25 6 30.6 RAD. = 1856021.5	1.2 2.5 18.6
2288	X = 1655052 Y = 694213 Z = 471337	20 20 12	LAT. = 14 42 53.1 LONG. = 22 45 20.4 RAD. = 1855609.6	1.2 2.5 18.4
2290	X = 1673589 Y = 621700 Z = 504344	20 20 12	LAT. = 15 46 28.7 LONG. = 20 22 43.9 RAD. = 1855202.1	1.2 2.5 19.0
2292	X = 1688844 Y = 547964 Z = 536370	20 21 12	LAT. = 16 48 33.0 LONG. = 17 58 34.5 RAD. = 1854764.2	1.2 2.6 18.8
2294	X = 1700768 Y = 473152 Z = 567375	20 21 12	LAT. = 17 49 1.6 LONG. = 15 32 47.5 RAD. = 1854292.2	1.2 2.6 19.1
2296	X = 1709364 Y = 397449 Z = 597257	20 21 12	LAT. = 18 47 40.9 LONG. = 13 5 21.9 RAD. = 1853808.3	1.2 2.7 19.8
2298	X = 1714633 Y = 320936 Z = 625970	20 22 12	LAT. = 19 44 24.5 LONG. = 10 36 9.5 RAD. = 1853327.6	1.2 2.8 20.1

EXPOSURE STATIONS MISSION 15 - REV 63 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2300	X = 1716522 Y = 243802 Z = 653495	21 23 13	LAT. = 20 39 9.8 LONG. = 8 5 1.6 RAD. = 1852820.8	1.2 2.8 21.0
2302	X = 1715025 Y = 166192 Z = 679718	21 23 13	LAT. = 21 31 42.3 LONG. = 5 32 5.5 RAD. = 1852281.7	1.2 2.9 21.5
2304	X = 1710160 Y = 88318 Z = 704607	22 24 14	LAT. = 22 21 55.4 LONG. = 2 57 22.7 RAD. = 1851734.3	1.3 3.0 22.6
2306	X = 1701937 Y = 10187 Z = 728132	21 25 13	LAT. = 23 9 43.5 LONG. = 0 20 34.5 RAD. = 1851180.9	1.3 3.0 22.4
2308	X = 1690370 Y = -67895 Z = 750214	22 25 13	LAT. = 23 54 55.1 LONG. = - 2 18 .3 RAD. = 1850516.8	1.3 3.0 23.0
2310	X = 1675474 Y = -145869 Z = 770840	21 26 14	LAT. = 24 37 25.8 LONG. = - 4 58 32.6 RAD. = 1850050.1	1.3 3.1 22.7
2312	X = 1657278 Y = -223553 Z = 789965	21 27 14	LAT. = 25 17 7.4 LONG. = - 7 40 56.5 RAD. = 1849484.2	1.3 3.2 23.4
2314	X = 1635775 Y = -300858 Z = 807535	21 27 14	LAT. = 25 53 52.2 LONG. = - 10 25 17.7 RAD. = 1848888.7	1.3 3.2 24.0
2316	X = 1611006 Y = -377597 Z = 823552	21 28 14	LAT. = 26 27 36.8 LONG. = - 13 11 28.3 RAD. = 1848285.1	1.3 3.3 24.6
2318	X = 1583061 Y = -453554 Z = 837896	21 28 14	LAT. = 26 58 4.0 LONG. = 15 59 14.1 RAD. = 1847664.2	1.3 3.3 24.6
2320	X = 1555931 Y = -524171 Z = 849905	21 29 14	LAT. = 27 23 43.4 LONG. = - 18 33 24.9 RAD. = 1847104.5	1.3 3.4 25.2

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2322	X = 1522498 Y = -592952 Z = 860280	21 30 15	LAT. = 27 46 4.2 LONG. = - 21 16 44.1 RAD. = 1846529.0	1.4 3.5 25.5
2324	X = 1488427 Y = -560774 Z = 869188	22 31 15	LAT. = 28 5 25.1 LONG. = - 23 56 18.3 RAD. = 1845948.4	1.4 3.6 26.1
2326	X = 1451844 Y = -727358 Z = 876643	22 31 15	LAT. = 28 21 45.1 LONG. = - 26 36 37.3 RAD. = 1845373.7	1.5 3.6 26.8
2328	X = 1412778 Y = -792714 Z = 882593	23 31 15	LAT. = 28 34 56.2 LONG. = - 29 17 43.9 RAD. = 1844805.8	1.5 3.6 27.3
2330	X = 1371364 Y = -856576 Z = 887021	23 32 16	LAT. = 28 44 56.1 LONG. = - 31 59 22.4 RAD. = 1844225.8	1.5 3.7 27.9
2332	X = 1327512 Y = -919020 Z = 860951	24 33 16	LAT. = 28 51 46.1 LONG. = - 34 41 16.1 RAD. = 1843640.4	1.5 3.9 28.5
2334	X = 1281419 Y = -979981 Z = 891331	25 36 16	LAT. = 28 55 18.1 LONG. = - 37 24 27.2 RAD. = 1843062.9	1.5 4.3 29.5
2336	X = 1233129 Y = -1039183 Z = 891234	29 42 17	LAT. = 28 55 40.6 LONG. = - 40 7 17.5 RAD. = 1842500.1	1.6 5.3 30.9
2338	X = 1182601 Y = -1096734 Z = 889571	35 51 18	LAT. = 28 52 43.1 LONG. = - 42 50 33.3 RAD. = 1841930.9	1.7 6.9 32.5
2340	X = 1130078 Y = 1152337 Z = 886403	46 63 18	LAT. = 28 46 32.7 LONG. = - 45 33 51.5 RAD. = 1841323.8	1.7 9.1 34.1
2342	X = 1075730 Y = -1203326 Z = 881724	60 78 18	LAT. = 28 32 3.5 LONG. = - 48 15 48.0 RAD. = 1840333.5	1.8 11.7 36.3

EXPOSURE STATIONS
MISSION 15 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2344	X = 1019235 Y = -1257488 Z = 875502	77 94 18	LAT. = 28 24 28.2 LONG. = 50 58 23.8 RAD. = 1840277.4	2.1 14.7 39.1
2346	X = 961123 Y = -1306853 Z = 867778	98 112 19	LAT. = 28 8 37.1 LONG. = - 53 40 2.8 RAD. = 1839744.3	2.6 13.1 42.6
2348	X = 901549 Y = -1353784 Z = 858607	122 131 21	LAT. = 27 49 43.9 LONG. = - 56 20 18.5 RAD. = 1839719.4	3.3 21.7 47.6

EXPOSURE STATIONS
MISSION 15 - REV 70

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2358	X = -396611 Y = 1624651 Z = -791947	14 18 16	LAT. = -25 20 23.6 LONG. = 103 43 7.5 RAD. = 1850397.8	1.9 1.7 17.5
2360	X = -320838 Y = 1650848 Z = -773062	11 15 14	LAT. = -24 41 14.5 LONG. = 100 59 53.4 RAD. = 1850908.1	1.5 1.4 15.1
2362	X = -244488 Y = 1673756 Z = -752678	12 15 16	LAT. = -23 59 15.8 LONG. = 98 18 37.8 RAD. = 1851420.4	1.8 1.5 14.8
2364	X = -167699 Y = 1693009 Z = -730790	11 15 16	LAT. = -23 14 32.1 LONG. = 95 39 21.3 RAD. = 1851883.6	1.7 1.3 14.7
2366	X = -90522 Y = 1709544 Z = -707461	10 15 15	LAT. = -22 27 10.6 LONG. = 93 1 51.8 RAD. = 1852359.3	1.6 1.3 14.7
2368	X = -13272 Y = 1722362 Z = -682764	10 15 14	LAT. = -21 37 24.1 LONG. = 90 26 29.4 RAD. = 1852801.3	1.6 1.2 14.7
2370	X = 64048 Y = 1731788 Z = -656721	10 15 13	LAT. = -20 45 16.3 LONG. = 87 52 55.0 RAD. = 1853233.2	1.5 1.2 14.7
2372	X = 141273 Y = 1737825 Z = -629385	10 14 13	LAT. = -19 50 54.4 LONG. = 85 21 8.9 RAD. = 1853677.0	1.4 1.2 14.6
2374	X = 218187 Y = 174045 Z = -600836	10 14 13	LAT. = -18 54 31.0 LONG. = 82 51 15.8 RAD. = 1854090.7	1.4 1.2 14.5
2376	X = 294674 Y = 1739568 Z = -571084	10 14 13	LAT. = -17 56 8.5 LONG. = 80 23 8.3 RAD. = 1854472.0	1.4 1.2 14.3
2378	X = 370597 Y = 1735299 Z = -540221	11 15 12	LAT. = -16 55 57.8 LONG. = 77 56 41.2 RAD. = 1854843.7	1.4 1.3 14.6

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2380	X = 445783 Y = 1727610 Z = -508310	13 15 12	LAT. = -15 54 7.3 LONG. = 75 31 52.7 RAD. = 1855192.3	1.3 1.5 15.1
2382	X = 520019 Y = 1716532 Z = -475428	14 15 11	LAT. = -14 50 46.1 LONG. = 73 8 45.4 RAD. = 1855514.8	1.2 1.7 14.9
2384	X = 593257 Y = 1702051 Z = -441616	14 15 11	LAT. = -13 45 59.6 LONG. = 70 47 1.6 RAD. = 1855790.2	1.2 1.6 15.2
2386	X = 665283 Y = 1684273 Z = -406971	15 15 11	LAT. = -12 39 57.0 LONG. = 68 26 46.1 RAD. = 1856071.7	1.2 1.8 15.4
2388	X = 736078 Y = 1663208 Z = -371510	15 15 11	LAT. = -11 32 40.0 LONG. = 66 7 39.0 RAD. = 1856364.6	1.2 1.6 15.0
2390	X = 805378 Y = 1638870 Z = -335334	15 16 13	LAT. = -10 24 20.5 LONG. = 63 49 46.0 RAD. = 1856603.9	1.4 1.6 16.3
2392	X = 873147 Y = 1611298 Z = -298486	15 15 13	LAT. = -9 15 1.9 LONG. = 61 32 49.8 RAD. = 1856815.1	1.4 1.6 15.4
2394	X = 939143 Y = 1580631 Z = -261088	15 16 14	LAT. = -8 4 56.1 LONG. = 59 16 58.9 RAD. = 1857027.8	1.5 1.7 15.8
2396	X = 1003382 Y = 1546824 Z = -223171	15 16 12	LAT. = -6 54 5.7 LONG. = 57 1 46.7 RAD. = 1857214.3	1.3 1.7 16.3
2398	X = 1065599 Y = 1510000 Z = -184835	16 16 12	LAT. = -5 42 40.5 LONG. = 54 47 22.5 RAD. = 1857354.6	1.3 1.8 15.6
2400	X = 1125780 Y = 1470196 Z = -146112	17 16 12	LAT. = -4 30 41.9 LONG. = 52 33 26.8 RAD. = 1857472.7	1.3 1.9 16.1

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2402	X = 1183722 Y = 427573 Z = -107125	17 16 12	LAT. = - 3 18 21.6 LONG. = 50 20 6.0 RAD. = 1857589.7	1.3 1.9 16.3
2404	X = 1239422 Y = 1382084 Z = -67861	18 17 12	LAT. = - 2 5 36.5 LONG. = 48 6 53.8 RAD. = 1857667.1	1.3 2.0 16.9
2406	X = 1292632 Y = 1333956 Z = -28567	18 16 11	LAT. = - 0 52 52.0 LONG. = 45 54 4.8 RAD. = 1857727.8	1.2 1.9 16.8
2408	X = 1343351 Y = 1283200 Z = 10860	19 17 11	LAT. = 0 20 5.7 LONG. = 43 41 17.1 RAD. = 1857770.7	1.3 2.2 16.6
2410	X = 1391424 Y = 1229939 Z = 50229	20 18 12	LAT. = 1 32 57.5 LONG. = 41 28 29.4 RAD. = 1857776.2	1.3 2.3 16.7
2412	X = 1436765 Y = 1174283 Z = 89467	19 18 11	LAT. = 2 45 37.3 LONG. = 39 15 34.1 RAD. = 1857751.5	1.2 2.3 16.7
2414	X = 1479326 Y = 1116323 Z = 128562	19 18 11	LAT. = 3 58 5.9 LONG. = 37 2 19.7 RAD. = 1857716.6	1.2 2.3 16.7
2416	X = 1518973 Y = 1056201 Z = 167423	20 18 11	LAT. = 5 10 15.2 LONG. = 34 48 44.6 RAD. = 1857651.9	1.2 2.3 17.1
2418	X = 1555643 Y = 994007 Z = 205939	20 18 11	LAT. = 6 21 54.9 LONG. = 32 34 38.2 RAD. = 1857548.5	1.2 2.3 17.4
2420	X = 1589276 Y = 929903 Z = 244064	20 19 11	LAT. = 7 33 1.4 LONG. = 30 19 56.5 RAD. = 1857440.7	1.2 2.4 17.9
2422	X = 1619792 Y = 863945 Z = 281710	21 20 12	LAT. = 8 43 27.3 LONG. = 29 4 26.5 RAD. = 1857279.9	1.3 2.6 18.5

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2424	X = 1647173 Y = 796307 Z = 318798	21 20 12	LAT. = 9 53 4.1 LONG. = 25 48 3.3 RAD. = 1857125.4	1.2 2.5 18.6
2426	X = 1671337 Y = 727142 Z = 355238	21 21 12	LAT. = 11 1 43.4 LONG. = 23 30 44.0 RAD. = 1856959.1	1.3 2.6 19.8
2428	X = 1692212 Y = 656473 Z = 391011	22 21 12	LAT. = 12 9 25.3 LONG. = 21 12 11.3 RAD. = 1856725.4	1.2 2.6 19.8
2430	X = 1709758 Y = 584607 Z = 426028	21 21 12	LAT. = 13 15 59.4 LONG. = 18 52 36.4 RAD. = 1856484.8	1.3 2.6 19.9
2432	X = 1723982 Y = 511624 Z = 460195	22 22 12	LAT. = 14 21 15.4 LONG. = 16 31 45.3 RAD. = 1856247.4	1.3 2.7 20.5
2434	X = 1734819 Y = 437647 Z = 493458	21 22 12	LAT. = 15 25 8.4 LONG. = 14 9 31.4 RAD. = 1855972.6	1.2 2.7 20.1
2436	X = 1742271 Y = 362729 Z = 525816	21 22 12	LAT. = 16 27 37.8 LONG. = 11 45 38.2 RAD. = 1855683.5	1.2 2.6 20.6
2438	X = 1746296 Y = 287173 Z = 557098	21 22 13	LAT. = 17 28 24.3 LONG. = 9 20 18.8 RAD. = 1855363.9	1.2 2.7 21.1
2440	X = 1746904 Y = 211022 Z = 587315	21 23 13	LAT. = 18 27 28.2 LONG. = 6 53 16.1 RAD. = 1855032.2	1.2 2.8 21.2
2442	X = 1744072 Y = 134488 Z = 616384	21 24 13	LAT. = 19 24 39.5 LONG. = 4 24 33.9 RAD. = 1854670.3	1.2 2.9 21.1
2444	X = 1737808 Y = 57658 Z = 644255	21 24 13	LAT. = 20 19 51.2 LONG. = 1 54 1.0 RAD. = 1854283.0	1.2 2.9 22.4

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2446	X = 1728146 Y = -19249 Z = 670848	22 26 14	LAT. = 21 12 52.2 LONG. = - 0 38 17.4 RAD. = 1853886.5	1.3 3.1 23.1
2448	X = 1715085 Y = -96152 Z = 696159	23 27 14	LAT. = 22 3 40.0 LONG. = - 3 12 31.6 RAD. = 1853482.6	1.3 3.2 24.0
2450	X = 1698660 Y = -172852 Z = 720079	22 26 14	LAT. = 22 52 .2 LONG. = - 5 48 37.1 RAD. = 1853062.1	1.3 3.1 23.7
2452	X = 1678880 Y = -249177 Z = 742613	21 27 14	LAT. = 23 37 51.6 LONG. = - 8 26 31.7 RAD. = 1852620.7	1.2 3.1 23.5
2454	X = 1655782 Y = -325057 Z = 763682	22 28 14	LAT. = 24 21 2.4 LONG. = - 11 6 24.6 RAD. = 1852157.1	1.3 3.3 24.4
2456	X = 1629415 Y = -400347 Z = 783300	21 28 14	LAT. = 25 1 30.1 LONG. = - 13 48 14.8 RAD. = 1851710.0	1.3 3.3 24.8
2458	X = 1599793 Y = -474880 Z = 801341	21 29 14	LAT. = 25 35 .1 LONG. = - 14 31 58.5 RAD. = 1851214.7	1.3 3.3 24.7
2460	X = 1567043 Y = -548383 Z = 817784	21 29 14	LAT. = 26 13 25.2 LONG. = - 19 17 14.6 RAD. = 1850708.1	1.3 3.4 25.2
2462	X = 1531188 Y = -620843 Z = 832647	21 30 14	LAT. = 26 44 43.7 LONG. = - 22 4 15.0 RAD. = 1850211.5	1.3 3.4 25.7
2464	X = 1492350 Y = -691977 Z = 845840	22 31 15	LAT. = 27 12 43.4 LONG. = - 24 52 34.9 RAD. = 1849699.1	1.4 3.5 26.4
2466	X = 1450462 Y = -761863 Z = 857411	23 32 15	LAT. = 27 37 27.9 LONG. = - 27 42 39.3 RAD. = 1849170.2	1.4 3.6 27.2

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2469	X = 1405704 Y = -830196 Z = 867293	23 32 16	LAT. = 27 58 46.1 LONG. = - 30 33 56.6 RAD. = 1848628.2	1.5 3.7 27.8
2470	X = 1358189 Y = -896854 Z = 875432	23 33 16	LAT. = 28 16 28.5 LONG. = - 33 26 16.8 RAD. = 1848081.2	1.5 3.8 28.3
2472	X = 1307946 Y = -961756 Z = 881840	25 35 16	LAT. = 28 30 35.4 LONG. = - 36 19 39.8 RAD. = 1847522.5	1.5 4.2 29.4
2474	X = 1255160 Y = -1024692 Z = 886521	27 40 17	LAT. = 28 41 3.7 LONG. = - 39 13 39.5 RAD. = 1846981.1	1.6 4.9 30.7
2476	X = 1199831 Y = -1085614 Z = 889444	33 49 18	LAT. = 28 47 50.4 LONG. = - 42 8 20.4 RAD. = 1846419.1	1.6 6.4 32.2
2478	X = 1142106 Y = -1144399 Z = 890581	43 61 18	LAT. = 28 50 49.9 LONG. = - 45 3 26.9 RAD. = 1845857.5	1.7 8.6 34.2
2480	X = 1082085 Y = -1200894 Z = 889972	58 76 19	LAT. = 28 50 7.0 LONG. = - 47 58 44.5 RAD. = 1845292.8	1.8 11.4 36.6
2482	X = 1019969 Y = -1254948 Z = 887596	77 93 19	LAT. = 28 45 38.0 LONG. = - 50 53 50.1 RAD. = 1844758.1	1.9 14.6 39.8
2484	X = 955687 Y = -1306581 Z = 883472	100 112 19	LAT. = 28 37 26.2 LONG. = - 53 49 .3 RAD. = 1844183.8	2.1 18.3 43.7
2485	X = 922816 Y = -1331428 Z = 880730	113 122 19	LAT. = 28 31 54.0 LONG. = - 55 16 26.7 RAD. = 1843902.0	2.3 20.3 46.2
2486	X = 889557 Y = -1355539 Z = 877554	127 131 20	LAT. = 28 25 27.5 LONG. = - 56 43 32.0 RAD. = 1843609.6	2.6 22.3 49.1

EXPOSURE STATIONS
MISSION 15 - REV 70
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2487	X = 855647 Y = -1379111 Z = 873929	141 142 20	LAT. = 28 18 4.1 LONG. = - 58 10 59.3 RAD. = 1843320.4	2.9 24.4 52.8
2488	X = 821692 Y = -1401742 Z = 869910	157 152 21	LAT. = 28 9 50.4 LONG. = - 59 37 17.2 RAD. = 1843041.3	3.4 26.6 56.4
2489	X = 786734 Y = -1424050 Z = 865385	174 163 22	LAT. = 28 0 33.3 LONG. = - 61 4 51.6 RAD. = 1842759.1	3.9 29.0 60.5
2490	X = 751682 Y = -1445443 Z = 860476	192 174 23	LAT. = 27 50 27.5 LONG. = - 62 31 26.2 RAD. = 1842484.3	4.4 31.5 65.3

EXPOSURE STATIONS MISSION 15 - REV 72

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2626	X = -441173 Y = 1599760 Z = -813408	18 28 21	LAT. = -26 6 43.9 LONG. = 105 25 3.0 RAD. = 1848107.0	2.8 2.5 22.1
2628	X = -365592 Y = 1627608 Z = -796623	13 19 18	LAT. = -25 31 35.7 LONG. = 102 39 34.6 RAD. = 1848614.0	2.2 1.7 16.5
2630	X = -289169 Y = 1652250 Z = -778273	12 16 17	LAT. = -24 53 26.3 LONG. = 99 55 37.6 RAD. = 1849123.8	2.0 1.6 15.2
2632	X = -212280 Y = 1673582 Z = -758409	11 15 14	LAT. = -24 12 24.9 LONG. = 97 13 44.0 RAD. = 1849627.9	1.6 1.4 14.9
2634	X = -134929 Y = 1691593 Z = -737034	11 15 14	LAT. = -23 28 35.3 LONG. = 94 33 37.9 RAD. = 1850110.9	1.6 1.3 15.0
2636	X = -57339 Y = 1706248 Z = -714216	10 15 14	LAT. = -22 42 7.7 LONG. = 91 55 28.9 RAD. = 1850587.3	1.5 1.3 14.9
2638	X = 20373 Y = 1717515 Z = -689985	10 15 14	LAT. = -21 53 8.3 LONG. = 89 19 13.4 RAD. = 1851041.0	1.6 1.3 15.0
2640	X = 98115 Y = 1725412 Z = -664368	10 15 14	LAT. = -21 1 41.4 LONG. = 86 44 43.4 RAD. = 1851501.8	1.6 1.2 14.9
2642	X = 175526 Y = 1729864 Z = -637512	10 15 13	LAT. = -20 8 7.7 LONG. = 84 12 22.1 RAD. = 1851934.3	1.5 1.2 14.9
2644	X = 252596 Y = 1730931 Z = -609387	11 15 13	LAT. = -19 12 24.0 LONG. = 81 41 50.7 RAD. = 1852371.8	1.4 1.2 14.8
2646	X = 329233 Y = 1728554 Z = -590015	11 15 13	LAT. = -18 14 39.5 LONG. = 79 12 53.3 RAD. = 1852767.2	1.4 1.3 15.1

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2648	X = 405148 Y = 1722807 Z = -549606	11 15 13	LAT. = -17 15 7.1 LONG. = 76 45 58.9 RAD. = 1853180.3	1.4 1.4 15.3
2650	X = 480336 Y = 1713637 Z = -518064	13 15 13	LAT. = -16 13 48.8 LONG. = 74 20 30.2 RAD. = 1853554.7	1.4 1.5 15.2
2652	X = 554518 Y = 1701092 Z = -485526	15 16 12	LAT. = -15 10 57.0 LONG. = 71 56 42.7 RAD. = 1853898.5	1.4 1.8 15.3
2654	X = 627635 Y = 1685222 Z = -452045	14 15 11	LAT. = -14 6 37.0 LONG. = 69 34 22.6 RAD. = 1854249.8	1.2 1.7 15.2
2656	X = 699399 Y = 1666038 Z = -417725	16 16 11	LAT. = -13 1 2.0 LONG. = 67 13 38.8 RAD. = 1854544.1	1.2 1.8 15.6
2658	X = 769870 Y = 1643601 Z = -382580	16 16 12	LAT. = -11 54 11.4 LONG. = 64 54 5.0 RAD. = 1854855.8	1.3 1.8 15.8
2660	X = 838805 Y = 1617960 Z = -346652	15 16 12	LAT. = -10 46 10.6 LONG. = 62 35 46.5 RAD. = 1855143.2	1.4 1.7 16.2
2662	X = 906114 Y = 1589133 Z = -310058	15 16 12	LAT. = - 9 37 11.6 LONG. = 60 18 30.5 RAD. = 1855403.6	1.4 1.7 16.2
2664	X = 971664 Y = 1557187 Z = -272889	16 17 13	LAT. = - 8 27 23.5 LONG. = 58 2 11.0 RAD. = 1855648.5	1.4 1.8 17.1
2666	X = 1035289 Y = 1522215 Z = -235208	16 16 14	LAT. = - 7 16 51.8 LONG. = 55 46 46.5 RAD. = 1855878.3	1.5 1.8 16.4
2668	X = 1096894 Y = 1484258 Z = -197057	16 16 12	LAT. = - 6 5 40.2 LONG. = 53 32 5.7 RAD. = 1856079.4	1.3 1.8 16.2

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2670	X = 1156393 Y = 1443383 Z = -158485	18 17 13	LAT. = - 4 53 52.0 LONG. = 51 17 58.0 RAD. = 1856266.6	1.4 1.9 17.1
2672	X = 1213653 Y = 1399666 Z = -119591	18 17 12	LAT. = - 3 41 36.8 LONG. = 49 4 16.9 RAD. = 1856426.8	1.3 2.0 16.8
2674	X = 1268113 Y = 1353581 Z = -80790	18 17 12	LAT. = - 2 29 38.7 LONG. = 46 52 1.9 RAD. = 1856561.5	1.3 2.0 17.0
2676	X = 1322177 Y = 1302868 Z = -40259	18 17 11	LAT. = - 1 14 32.8 LONG. = 44 34 42.8 RAD. = 1856674.2	1.3 2.1 16.6
2678	X = 1375943 Y = 1246733 Z = 2379	19 18 12	LAT. = 0 4 24.2 LONG. = 42 10 46.3 RAD. = 1856762.8	1.3 2.2 16.9
2680	X = 1426568 Y = 1187716 Z = 45027	19 18 11	LAT. = 1 23 22.3 LONG. = 39 46 46.9 RAD. = 1856823.3	1.3 2.2 17.1
2682	X = 1473921 Y = 1125974 Z = 87564	19 18 11	LAT. = 2 42 10.5 LONG. = 37 22 38.4 RAD. = 1856859.5	1.2 2.2 16.8
2684	X = 1517909 Y = 1061590 Z = 129929	19 18 11	LAT. = 4 0 44.7 LONG. = 34 53 5.0 RAD. = 1856852.8	1.2 2.3 16.7
2686	X = 1553391 Y = 994839 Z = 171972	20 18 11	LAT. = 5 18 50.7 LONG. = 32 33 11.4 RAD. = 1856841.5	1.2 2.4 17.2
2688	X = 1595294 Y = 925764 Z = 213623	20 20 11	LAT. = 6 36 23.5 LONG. = 30 7 37.2 RAD. = 1856781.1	1.2 2.5 17.7
2690	X = 1628532 Y = 854533 Z = 254791	21 20 12	LAT. = 7 53 14.3 LONG. = 27 41 18.7 RAD. = 1856702.8	1.3 2.5 13.5

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2692	X = 1658035 Y = 781449 Z = 295341	21 20 12	LAT. = 9 9 11.8 LONG. = 25 14 5.0 RAD. = 1856601.0	1.2 2.5 18.7
2694	X = 1683733 Y = 706559 Z = 335217	22 21 12	LAT. = 10 24 9.6 LONG. = 22 45 53.3 RAD. = 1856489.9	1.3 2.6 20.0
2696	X = 1705571 Y = 629977 Z = 374369	21 21 12	LAT. = 11 38 4.8 LONG. = 20 16 20.7 RAD. = 1856339.2	1.3 2.6 19.6
2698	X = 1722547 Y = 556477 Z = 410485	22 21 12	LAT. = 12 46 35.2 LONG. = 17 54 11.9 RAD. = 1856160.8	1.3 2.6 20.3
2700	X = 1735747 Y = 483479 Z = 444993	21 21 12	LAT. = 13 52 21.5 LONG. = 15 33 53.2 RAD. = 1855959.8	1.2 2.6 19.8
2702	X = 1745559 Y = 409577 Z = 478630	21 22 12	LAT. = 14 56 47.4 LONG. = 13 12 17.9 RAD. = 1855751.8	1.2 2.7 20.1
2704	X = 1751969 Y = 334842 Z = 511340	22 23 13	LAT. = 15 59 47.0 LONG. = 10 49 12.2 RAD. = 1855528.2	1.3 2.8 20.9
2706	X = 1754936 Y = 259461 Z = 543059	21 23 13	LAT. = 17 1 13.3 LONG. = 8 24 36.2 RAD. = 1855271.6	1.3 2.8 20.9
2708	X = 1754485 Y = 183583 Z = 573722	22 23 13	LAT. = 18 0 57.4 LONG. = 5 58 24.6 RAD. = 1855013.6	1.3 2.8 21.7
2710	X = 1750565 Y = 107307 Z = 603296	21 27 13	LAT. = 18 58 56.6 LONG. = 3 30 27.9 RAD. = 1854712.8	1.3 3.2 21.9
2712	X = 1743247 Y = 30850 Z = 631667	22 25 13	LAT. = 19 54 54.6 LONG. = 1 0 49.8 RAD. = 1854417.5	1.3 3.0 22.8

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2714	X = 1732474 Y = -45642 Z = 658702	22 23 13	LAT. = 20 48 46.6 LONG. = - 1 30 32.8 RAD. = 1854060.7	1.3 3.0 22.7
2716	X = 1718325 Y = -122095 Z = 684657	21 26 13	LAT. = 21 40 29.9 LONG. = - 4 3 51.5 RAD. = 1853727.1	1.3 3.0 22.9
2718	X = 1700803 Y = -198178 Z = 709146	21 27 14	LAT. = 22 29 48.1 LONG. = - 6 38 46.1 RAD. = 1853347.0	1.3 3.2 23.5
2720	X = 1679914 Y = -274041 Z = 732284	21 27 13	LAT. = 23 16 41.9 LONG. = - 9 15 53.8 RAD. = 1852956.9	1.2 3.1 23.4
2722	X = 1655727 Y = -349315 Z = 754001	21 27 14	LAT. = 24 1 .7 LONG. = - 11 54 47.6 RAD. = 1852558.1	1.2 3.2 23.9
2724	X = 1628275 Y = -423881 Z = 774232	21 28 14	LAT. = 24 42 35.3 LONG. = - 14 35 30.1 RAD. = 1852128.9	1.2 3.2 24.2
2726	X = 1597594 Y = -497704 Z = 792975	21 29 14	LAT. = 25 21 21.3 LONG. = - 17 18 12.9 RAD. = 1851709.2	1.3 3.3 24.6
2728	X = 1563706 Y = -570460 Z = 810129	21 29 14	LAT. = 25 57 4.8 LONG. = - 20 2 29.6 RAD. = 1851263.0	1.3 3.3 25.1
2730	X = 1526911 Y = -642103 Z = 825689	21 30 14	LAT. = 26 29 42.5 LONG. = - 22 3 23.5 RAD. = 1850814.7	1.3 3.4 25.7
2732	X = 1487000 Y = -712466 Z = 839658	22 31 15	LAT. = 26 59 10.0 LONG. = - 25 36 1.8 RAD. = 1850342.8	1.4 3.6 26.7
2734	X = 1444104 Y = -781136 Z = 851968	22 31 15	LAT. = 27 25 20.9 LONG. = - 28 25 13.2 RAD. = 1849857.1	1.4 3.6 27.0

EXPOSURE STATIONS
MISSION 15 - REV 72
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2736	X = 1398424	23	LAT. = 27 48 5.7	1.4
	Y = -848841	32	LONG. = - 31 15 27.6	3.7
	Z = 862562	15	RAD. = 184°360.5	27.8
2738	X = 1349938	23	LAT. = 28 7 22.8	1.5
	Y = -914583	33	LONG. = - 34 7 3.5	3.8
	Z = 871491	16	RAD. = 184°8362.7	28.6

EXPOSURE STATIONS MISSION 16 - 10/1/67

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G11	X = -1670045	73	LAT. = 7 15 12.1	3.6
	Y = 786108	79	LONG. = 154 57 42.7	9.8
	Z = 234602	33	RAD. = 1858132.5	62.3
G12	X = -1638221	68	LAT. = 7 1 18.7	3.4
	Y = 847789	75	LONG. = 152 38 17.4	9.3
	Z = 227202	31	RAD. = 1858530.7	57.5
G13	X = -1603635	65	LAT. = 6 46 41.9	3.3
	Y = 914213	70	LONG. = 150 18 47.0	8.8
	Z = 219404	29	RAD. = 1858916.5	54.2
G14	X = -1566450	62	LAT. = 6 31 24.1	3.1
	Y = 979041	59	LONG. = 147 59 39.7	7.5
	Z = 211229	28	RAD. = 1859275.5	53.2
G15	X = -1526765	54	LAT. = 6 15 32.4	2.9
	Y = 1042209	48	LONG. = 145 40 53.6	5.9
	Z = 202745	27	RAD. = 1859654.9	49.6
G16	X = -1484507	48	LAT. = 5 59 2.3	2.8
	Y = 1103736	45	LONG. = 143 22 8.6	5.3
	Z = 193906	25	RAD. = 1859998.0	45.7
G17	X = -1439814	46	LAT. = 5 41 57.1	2.7
	Y = 1163414	44	LONG. = 141 3 38.6	5.1
	Z = 184739	24	RAD. = 1860302.6	43.8
G18	X = -1392729	41	LAT. = 5 24 20.8	2.6
	Y = 1221229	42	LONG. = 138 45 13.5	4.9
	Z = 175284	24	RAD. = 1860596.2	42.3
G19	X = -1343362	42	LAT. = 5 6 10.5	2.5
	Y = 1277029	40	LONG. = 136 27 1.4	4.7
	Z = 165515	23	RAD. = 1860865.3	40.7
G20	X = -1291811	41	LAT. = 4 47 54.8	2.5
	Y = 1350749	50	LONG. = 134 8 51.8	4.6
	Z = 155510	22	RAD. = 1861142.9	39.1
G21	X = -1253111	40	LAT. = 4 33 50.0	2.4
	Y = 1411111	49	LONG. = 132 19 50.0	4.5
	Z = 1411111	21	RAD. = 1861420.0	38.0

EXPOSURE STATIONS MISSION 16 - REV 17 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G22	X = -1182379 Y = 1431555 Z = 134710	37 36 21	LAT. = 4 8 59.0 LONG. = 129 33 16.8 RAD. = 1861589.9	2.3 4.1 35.8
G23	X = -1124779 Y = 1478446 Z = 123990	36 36 21	LAT. = 3 49 6.8 LONG. = 127 15 47.9 RAD. = 1861801.7	2.3 4.0 35.6
G24	X = -1065351 Y = 1522876 Z = 113076	35 34 20	LAT. = 3 28 54.0 LONG. = 124 58 31.1 RAD. = 1861964.2	2.2 3.8 34.4
G25	X = -1004174 Y = 1564826 Z = 101996	33 32 19	LAT. = 3 8 23.7 LONG. = 122 41 20.1 RAD. = 1862108.9	2.1 3.6 31.8
G26	X = -941315 Y = 1604284 Z = 90734	31 31 18	LAT. = 2 47 33.7 LONG. = 120 24 8.3 RAD. = 1862265.7	2.0 3.5 31.1
G27	X = -876930 Y = 1641065 Z = 79297	30 30 18	LAT. = 2 26 25.2 LONG. = 118 7 6.8 RAD. = 1862361.4	2.0 3.2 30.4
G28	X = -811089 Y = 1675171 Z = 67749	27 28 17	LAT. = 2 5 4.9 LONG. = 115 50 7.7 RAD. = 1862432.1	1.9 3.0 28.8
G29	X = -743368 Y = 1706525 Z = 56110	26 27 17	LAT. = 1 43 34.9 LONG. = 113 33 18.1 RAD. = 1862422.7	1.8 2.9 27.7
G30	X = -675599 Y = 1735102 Z = 44320	26 27 16	LAT. = 1 21 48.7 LONG. = 111 16 28.2 RAD. = 1862518.5	1.8 2.9 27.0
G31	X = -606149 Y = 1763883 Z = 32509	24 25 16	LAT. = 1 0 1.3 LONG. = 108 59 42.0 RAD. = 1862574.3	1.7 2.6 25.3
G32	X = -535932 Y = 1783665 Z = 20653	23 25 14	LAT. = 0 38 7.2 LONG. = 106 43 25.6 RAD. = 1862555.5	1.5 2.1 21.4

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G33	X = -454667 Y = 1806157 Z = 7034	17 19 13	LAT. = 0 12 58.9 LONG. = 104 7 46.5 RAD. = 1862517.9	1.4 1.8 19.7
G34	X = -370059 Y = 1825308 Z = -6929	16 17 11	LAT. = - 0 12 47.4 LONG. = 101 27 33.5 RAD. = 1862455.7	1.2 1.7 17.4
G35	X = -284607 Y = 1840355 Z = -20866	15 15 11	LAT. = - 0 38 31.1 LONG. = 98 47 27.7 RAD. = 1862348.3	1.2 1.6 15.4
G36	X = -198491 Y = 1851294 Z = -34798	14 16 11	LAT. = - 1 4 14.5 LONG. = 96 7 11.0 RAD. = 1862229.9	1.2 1.5 16.2
G37	X = -111922 Y = 1858017 Z = -48619	15 16 10	LAT. = - 1 29 46.4 LONG. = 93 26 49.8 RAD. = 1862019.5	1.1 1.5 15.7
G38	X = -25067 Y = 1860627 Z = -62379	13 14 10	LAT. = - 1 55 12.0 LONG. = 90 46 18.7 RAD. = 1861841.2	1.1 1.5 13.8
G39	X = 61902 Y = 1859053 Z = -76007	12 14 9	LAT. = - 2 20 23.8 LONG. = 88 5 34.4 RAD. = 1861636.0	1.0 1.3 13.9
G40	X = 148794 Y = 1853346 Z = -89492	13 15 10	LAT. = - 2 45 20.2 LONG. = 85 24 35.7 RAD. = 1861461.8	1.1 1.4 14.6
G41	X = 235352 Y = 1843360 Z = -102744	12 16 10	LAT. = - 3 9 52.5 LONG. = 82 43 26.8 RAD. = 1861162.1	1.1 1.3 15.8
G42	X = 321329 Y = 1829267 Z = -115773	15 18 12	LAT. = - 3 34 .9 LONG. = 80 2 13.4 RAD. = 1860879.9	1.3 1.6 19.0
G43	X = 406640 Y = 1811069 Z = -128575	18 20 15	LAT. = - 3 57 45.0 LONG. = 77 20 42.8 RAD. = 1860607.2	1.7 1.9 21.0

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G44	X = 490906 Y = 1788702 Z = -140997	19 20 16	LAT. = - 4 20 49.2 LONG. = 74 39 11.3 RAD. = 1860194.4	1.8 2.1 21.0
G45	X = 574077 Y = 1762331 Z = -153156	15 20 14	LAT. = - 4 43 25.3 LONG. = 71 57 25.3 RAD. = 1859793.8	1.5 1.7 19.8
G46	X = 656100 Y = 1732010 Z = -164939	17 20 14	LAT. = - 5 5 20.5 LONG. = 69 15 10.5 RAD. = 1859443.6	1.6 1.8 20.9
G47	X = 732674 Y = 1699468 Z = -175865	17 19 14	LAT. = - 5 25 42.2 LONG. = 66 40 41.5 RAD. = 1859013.8	1.6 1.8 19.9
G48	X = 805424 Y = 1664620 Z = -186047	17 19 16	LAT. = - 5 44 42.2 LONG. = 64 10 48.2 RAD. = 1858569.7	1.8 1.9 19.2
G49	X = 876664 Y = 1626614 Z = -195924	18 19 13	LAT. = - 6 3 8.9 LONG. = 61 40 39.2 RAD. = 1858171.1	1.4 1.9 19.0
G50	X = 946254 Y = 1585406 Z = -205419	20 19 13	LAT. = - 6 20 54.8 LONG. = 59 10 8.5 RAD. = 1857715.2	1.5 2.2 19.5
G51	X = 1014013 Y = 1541145 Z = -214518	19 21 14	LAT. = - 6 37 57.6 LONG. = 56 39 24.0 RAD. = 1857247.8	1.5 2.1 21.2
G52	X = 1079853 Y = 1493935 Z = -223221	20 19 15	LAT. = - 6 54 16.7 LONG. = 54 8 22.3 RAD. = 1856815.4	1.7 2.0 20.0
G53	X = 1143613 Y = 1443781 Z = -231516	22 20 17	LAT. = - 7 9 51.8 LONG. = 51 37 2.2 RAD. = 1856331.4	1.8 2.2 23.1
G54	X = 1205184 Y = 1390835 Z = -239318	26 20 17	LAT. = - 7 24 32.8 LONG. = 49 5 25.7 RAD. = 1855842.3	1.9 2.5 25.8

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G55	X = 1264398 Y = 1335089 Z = -246708	26 24 19	LAT. = - 7 73 29.9 LONG. = 46 33 27.8 RAD. = 1855271.0	2.1 2.4 27.9
G56	X = 1321137 Y = 1276784 Z = -253599	27 24 19	LAT. = - 7 51 31.9 LONG. = 44 1 18.8 RAD. = 1854694.6	2.1 2.7 27.6
G57	X = 1375364 Y = 1216000 Z = -260045	29 28 20	LAT. = - 8 3 44.3 LONG. = 41 28 51.1 RAD. = 1854159.2	2.2 3.1 28.7
G58	X = 1426875 Y = 1152799 Z = -265951	32 30 21	LAT. = - 8 14 57.8 LONG. = 38 56 7.4 RAD. = 1853550.0	2.3 3.6 31.1
G59	X = 1475565 Y = 1087499 Z = -271362	35 34 22	LAT. = - 8 25 15.5 LONG. = 36 23 25.4 RAD. = 1852992.9	2.4 4.1 32.5
G60	X = 1521465 Y = 1019982 Z = -276219	36 39 23	LAT. = - 8 34 31.5 LONG. = 33 50 15.7 RAD. = 1852434.5	2.5 4.6 34.3
G61	X = 1564449 Y = 950466 Z = -280565	38 40 23	LAT. = - 8 42 49.8 LONG. = 31 16 49.3 RAD. = 1851918.3	2.5 4.8 34.9
G62	X = 1604320 Y = 879115 Z = -284352	40 43 24	LAT. = - 8 50 6.2 LONG. = 28 43 16.7 RAD. = 1851362.7	2.6 5.2 36.4
G63	X = 1641026 Y = 806027 Z = -287599	42 47 25	LAT. = - 8 56 22.7 LONG. = 26 9 32.4 RAD. = 1850772.2	2.8 5.7 38.7
G64	X = 1674622 Y = 731294 Z = -290280	48 52 27	LAT. = - 9 1 34.6 LONG. = 23 35 25.8 RAD. = 1850246.1	2.9 6.1 44.5
G65	X = 1704843 Y = 655116 Z = -292411	40 58 28	LAT. = - 9 5 45.8 LONG. = 21 1 12.3 RAD. = 1849645.5	3.1 6.8 46.0

EXPOSURE STATIONS
MISSION 16 - REV 17
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
G66	X = 1731744	50	LAT. = - 9 8 52.1	3.1
	Y = 577659	61	LONG. = 18 26 40.9	7.2
	Z = -293968	29	RAD. = 1849066.3	47.5
G67	X = 1755216	52	LAT. = - 9 10 52.1	3.2
	Y = 499144	65	LONG. = 15 52 28.5	7.6
	Z = -294938	29	RAD. = 1848489.9	49.4
G68	X = 1775224	54	LAT. = - 9 11 47.0	3.3
	Y = 419544	69	LONG. = 13 17 48.9	8.0
	Z = -295326	30	RAD. = 1847878.1	51.1

EXPOSURE STATIONS MISSION 16 - REV 29

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K09	X = -1483748 Y = 1035310 Z = 237093	49 45 26	LAT. = 7 20 56.6 LONG. = 143 48 56.9 RAD. = 1853542.3	2.9 5.4 46.8
K10	X = -1435504 Y = 1150578 Z = 229010	46 43 25	LAT. = 7 5 44.9 LONG. = 141 17 14.3 RAD. = 1853900.1	2.7 5.1 44.2
K11	X = -1384478 Y = 1213633 Z = 220481	44 42 24	LAT. = 6 49 44.0 LONG. = 138 45 43.9 RAD. = 1854263.9	2.6 4.9 42.3
K12	X = -1330709 Y = 1274408 Z = 211475	42 40 23	LAT. = 6 32 50.9 LONG. = 136 14 17.0 RAD. = 1854622.4	2.5 4.7 40.4
K13	X = -1274421 Y = 1332636 Z = 202073	41 38 22	LAT. = 6 15 14.4 LONG. = 133 43 14.9 RAD. = 1854966.8	2.4 4.5 39.3
K14	X = -1215701 Y = 1388256 Z = 192300	38 37 21	LAT. = 5 56 57.5 LONG. = 131 12 31.5 RAD. = 1855306.5	2.3 4.3 37.0
K15	X = -1154574 Y = 1441198 Z = 182173	36 35 20	LAT. = 5 38 2.5 LONG. = 128 41 56.2 RAD. = 1855607.7	2.2 4.0 34.7
K16	X = -1091216 Y = 1491343 Z = 171667	34 33 20	LAT. = 5 18 26.5 LONG. = 126 11 34.6 RAD. = 1855390.0	2.2 3.7 33.2
K17	X = -1025775 Y = 1538633 Z = 160838	32 31 19	LAT. = 4 58 15.3 LONG. = 123 41 22.5 RAD. = 1856177.3	2.1 3.6 31.4
K18	X = -96145 Y = 1581131 Z = 149729	31 30 18	LAT. = 4 37 34.1 LONG. = 121 11 31.9 RAD. = 1856453.3	2.0 3.4 30.2
K19	X = -889093 Y = 1624112 Z = 138704	29 29 17	LAT. = 4 16 18.7 LONG. = 118 41 52.4 RAD. = 1856707.9	1.9 3.2 29.2

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K20	X = -818152 Y = 1662170 Z = 126668	27 27 17	LAT. = 3 54 40.9 LONG. = 116 12 26.3 RAD. = 1856939.8	1.8 3.0 27.8
K21	X = -745688 Y = 1697001 Z = 114710	25 26 16	LAT. = 3 32 28.4 LONG. = 113 43 17.0 RAD. = 1857154.1	1.7 2.8 26.3
K22	X = -671668 Y = 1728624 Z = 102555	24 24 15	LAT. = 3 9 54.8 LONG. = 111 14 2.2 RAD. = 1857362.8	1.7 2.6 24.3
K23	X = -596470 Y = 1756840 Z = 90219	22 23 14	LAT. = 2 47 2.1 LONG. = 108 45 10.8 RAD. = 1857525.4	1.6 2.4 23.7
K24	X = -520103 Y = 1781711 Z = 77683	21 21 13	LAT. = 2 23 47.8 LONG. = 106 16 23.4 RAD. = 1857696.1	1.5 2.3 21.1
K25	X = -442702 Y = 1803159 Z = 65009	17 18 12	LAT. = 2 0 19.0 LONG. = 103 47 38.8 RAD. = 1857846.8	1.3 1.8 18.7
K26	X = -364455 Y = 1821140 Z = 52210	16 16 11	LAT. = 1 36 36.3 LONG. = 101 19 .5 RAD. = 1857983.6	1.2 1.7 16.3
K27	X = -285522 Y = 1835617 Z = 39336	14 16 11	LAT. = 1 12 46.9 LONG. = 98 50 28.6 RAD. = 1858106.4	1.2 1.6 16.3
K28	X = -206055 Y = 1846519 Z = 26373	13 15 10	LAT. = 0 48 47.6 LONG. = 96 22 2.4 RAD. = 1858167.3	1.1 1.5 15.0
K29	X = -126154 Y = 1853930 Z = 13360	14 15 10	LAT. = 0 24 43.0 LONG. = 93 53 34.1 RAD. = 1858265.2	1.1 1.5 14.9
K30	X = -45892 Y = 1857772 Z = 276	13 13 9	LAT. = 0 0 30.6 LONG. = 91 24 54.3 RAD. = 1858338.9	1.0 1.4 13.2

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K31	X = 34449 Y = 1857997 Z = -12760	12 13 9	LAT. = - 0 23 36.3 LONG. = 88 56 16.1 RAD. = 1858360.5	1.0 1.3 12.7
K32	X = 114754 Y = 1854679 Z = -25838	12 14 9	LAT. = - 0 47 47.8 LONG. = 86 27 34.1 RAD. = 1858405.2	1.0 1.3 13.6
K33	X = 194880 Y = 1847782 Z = -38846	16 14 10	LAT. = - 1 11 51.7 LONG. = 83 58 46.0 RAD. = 1858436.7	1.1 1.7 13.7
K34	X = 274551 Y = 1837303 Z = -51779	14 14 10	LAT. = - 1 35 47.7 LONG. = 81 30 4.0 RAD. = 1858424.5	1.1 1.5 14.2
K35	X = 353671 Y = 1823274 Z = -64609	15 16 11	LAT. = - 1 59 32.5 LONG. = 79 1 20.4 RAD. = 1858382.4	1.2 1.7 16.6
K36	X = 432043 Y = 1805776 Z = -77314	15 15 15	LAT. = - 2 23 3.8 LONG. = 76 32 40.5 RAD. = 1858350.1	1.2 1.6 16.3
K37	X = 509667 Y = 1784793 Z = -89811	17 17 13	LAT. = - 2 46 12.6 LONG. = 74 3 45.8 RAD. = 1858309.6	1.4 1.9 17.1
K38	X = 586261 Y = 1760366 Z = -102229	17 19 13	LAT. = - 3 9 13.2 LONG. = 71 34 49.8 RAD. = 1858236.4	1.4 1.9 19.1
K39	X = 661757 Y = 1732555 Z = -114437	17 17 12	LAT. = - 3 31 51.1 LONG. = 69 5 43.5 RAD. = 1858161.8	1.3 1.8 16.8
K40	X = 735951 Y = 1701376 Z = -126348	16 16 13	LAT. = - 3 53 57.1 LONG. = 66 36 30.6 RAD. = 1858027.8	1.4 1.8 16.1
K41	X = 818707 Y = 1660117 Z = -140111	17 16 13	LAT. = - 4 15 40.3 LONG. = 62 7 9.2 RAD. = 1857942.9	1.4 1.8 16.7

EXPOSURE STATIONS
MISSION 16 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
K42	X = 880674	18	LAT. = - 4 36 59.2	1.6
	Y = 1629168	19	LONG. = 61 37 19.7	2.0
	Z = -149517	14	RAD. = 1857706.8	19.2
K43	X = 949596	18	LAT. = - 4 57 48.1	1.6
	Y = 1588286	18	LONG. = 59 7 23.5	1.9
	Z = -160710	14	RAD. = 1857526.1	18.8
K44	X = 1017478	18	LAT. = - 5 18 5.0	1.8
	Y = 1544399	19	LONG. = 56 37 20.6	1.9
	Z = -171613	16	RAD. = 1857385.7	19.8
K45	X = 1083359	19	LAT. = - 5 37 43.2	1.6
	Y = 1497444	18	LONG. = 54 6 55.1	1.9
	Z = -182156	14	RAD. = 1857198.5	19.6

EXPOSURE STATIONS MISSION 16 - REV 47

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N10	X = -1078734 Y = 1478710 Z = 236785	34 33 20	LAT. = 7 22 15.9 LONG. = 126 6 40.1 RAD. = 1845621.4	2.2 3.9 33.0
N11	X = -1017748 Y = 1522915 Z = 229124	32 32 19	LAT. = 7 7 48.2 LONG. = 123 45 15.8 RAD. = 1845962.7	2.1 3.7 31.6
N12	X = -954973 Y = 1564583 Z = 221040	32 31 19	LAT. = 6 52 33.7 LONG. = 121 23 55.0 RAD. = 1846280.5	2.0 3.7 30.5
N13	X = -890681 Y = 1603568 Z = 212591	30 30 18	LAT. = 6 36 39.1 LONG. = 119 2 57.9 RAD. = 1846601.9	2.0 3.4 29.7
N14	X = -824919 Y = 1639856 Z = 203805	28 28 18	LAT. = 6 20 7.3 LONG. = 116 42 15.8 RAD. = 1846931.3	1.9 3.1 28.8
N15	X = -757740 Y = 1673415 Z = 194673	27 27 17	LAT. = 6 2 57.6 LONG. = 114 21 41.5 RAD. = 1847264.7	1.9 2.9 27.8
N16	X = -689780 Y = 170475 Z = 18592	25 25 16	LAT. = 5 45 9.5 LONG. = 112 1 17.9 RAD. = 1847597.6	1.8 2.7 25.5
N17	X = -619722 Y = 1732039 Z = 175431	23 24 15	LAT. = 5 26 51.1 LONG. = 109 41 13.7 RAD. = 1847915.2	1.7 2.6 23.7
N18	X = -549155 Y = 1757099 Z = 165380	20 22 14	LAT. = 5 8 1.2 LONG. = 107 21 24.0 RAD. = 1848243.0	1.6 2.2 22.8
N19	X = -477573 Y = 1779098 Z = 155044	19 19 13	LAT. = 4 48 40.0 LONG. = 105 1 33.6 RAD. = 1848595.0	1.4 2.1 19.7
N20	X = -405210 Y = 1798185 Z = 144452	16 18 12	LAT. = 4 28 51.4 LONG. = 102 41 56.9 RAD. = 1848927.4	1.3 1.8 18.2

EXPOSURE STATIONS
MISSION 16 - REV 47
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N21	X = -332184 Y = 1814265 Z = 133585	15 17 11	LAT. = 4 8 32.9 LONG. = 100 22 32.4 RAD. = 1849256.7	1.2 1.6 16.8
N22	X = -258582 Y = 1827316 Z = 122518	14 16 11	LAT. = 5 47 53.1 LONG. = 93 3 15.9 RAD. = 1849583.5	1.2 1.5 15.8
N23	X = -184563 Y = 1837336 Z = 111270	13 15 10	LAT. = 5 26 53.9 LONG. = 95 44 10.4 RAD. = 1849931.6	1.1 1.5 14.9
N24	X = -110239 Y = 1844255 Z = 99836	13 14 10	LAT. = 3 5 35.1 LONG. = 93 25 14.7 RAD. = 1850242.7	1.1 1.4 13.8
N25	X = -35702 Y = 1848130 Z = 88213	14 14 9	LAT. = 2 43 55.9 LONG. = 91 6 24.2 RAD. = 1850578.0	1.0 1.6 13.7
N26	X = 39812 Y = 1848905 Z = 76276	14 13 9	LAT. = 2 21 42.6 LONG. = 88 45 59.2 RAD. = 1850905.5	1.0 1.6 13.0
N27	X = 120215 Y = 1846262 Z = 63437	13 14 10	LAT. = 1 57 49.4 LONG. = 86 16 28.5 RAD. = 1851259.0	1.1 1.4 13.8
N28	X = 200389 Y = 1840047 Z = 50487	14 14 10	LAT. = 1 33 44.8 LONG. = 83 47 5.0 RAD. = 1851614.6	1.1 1.6 14.1
N29	X = 280234 Y = 1830269 Z = 37414	13 14 10	LAT. = 1 9 27.3 LONG. = 81 17 42.0 RAD. = 1851976.3	1.1 1.5 14.3
N30	X = 359478 Y = 1816925 Z = 24249	14 15 10	LAT. = 0 45 LONG. = 78 48 30.9 RAD. = 1852301.7	1.1 1.5 15.1
N31	X = 433001 Y = 1800097 Z = 11045	15 17 11	LAT. = 0 20 29.7 LONG. = 76 19 28.2 RAD. = 1852650.9	1.3 1.8 17.5

EXPOSURE STATIONS MISSION 16 - REV 47 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N32	X = 515618	16	LAT. = - 0 3 57.9	1.3
	Y = 1779805	18	LONG. = 73 50 36.4	1.8
	Z = -2137	12	RAD. = 1852990.2	17.7
N33	X = 592307	16	LAT. = - 0 28 26.1	1.3
	Y = 1756025	18	LONG. = 71 21 38.8	1.9
	Z = -15329	12	RAD. = 1853290.9	17.3
N34	X = 667834	17	LAT. = - 0 52 51.3	1.2
	Y = 1728897	18	LONG. = 63 52 46.4	1.9
	Z = -28498	11	RAD. = 1853617.5	17.2
N35	X = 742078	16	LAT. = - 1 17 10.6	1.2
	Y = 1698367	17	LONG. = 65 23 51.8	1.8
	Z = -41616	11	RAD. = 1853877.5	16.5
N36	X = 814937	17	LAT. = - 1 41 21.4	1.3
	Y = 1664594	17	LONG. = 63 54 53.9	1.9
	Z = -54660	11	RAD. = 1854180.4	17.0
N37	X = 886225	19	LAT. = 2 5 20.5	1.4
	Y = 1627594	20	LONG. = 61 25 54.1	2.1
	Z = -67599	13	RAD. = 1854460.8	20.3
N38	X = 955831	18	LAT. = - 2 6.4	1.4
	Y = 1587421	19	LONG. = 48.0	2.1
	Z = -80421	12	RAD. = 1854719.6	18.3
N39	X = 1023588	18	LAT. = - 2 52 34.2	1.3
	Y = 1544198	18	LONG. = 56 27 40.2	2.0
	Z = -93078	12	RAD. = 1854977.6	17.7
N40	X = 1039355	19	LAT. = - 3 15 44.2	1.4
	Y = 1497989	18	LONG. = 53 58 29.7	2.2
	Z = -105574	13	RAD. = 1855212.0	17.8
N41	X = 1153014	19	LAT. = 3 38 31.6	1.4
	Y = 1448913	18	LONG. = 51 29 16.7	1.9
	Z = -117865	13	RAD. = 1855446.7	17.8
N42	X = 1214509	21	LAT. = - 4 0 56.4	1.5
	Y = 1397920	21	LONG. = 48 53 49.0	2.2
	Z = -129751	17	RAD. = 1855667.3	17.9

EXPOSURE STATIONS
MISSION 16 - REV 47
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
N43	X = 1273625 Y = 1342399 Z = -141760	21 21 15	LAT. = - 4 22 50.8 LONG. = 46 30 21.3 RAD. = 1855869.2	1.6 2.3 21.4
N44	X = 1330309 Y = 1285205 Z = -153304	24 21 16	LAT. = - 4 44 16.2 LONG. = 44 0 43.4 RAD. = 1856064.4	1.7 2.5 23.4
N45	X = 1384396 Y = 1225498 Z = -164568	26 25 17	LAT. = - 5 5 11.2 LONG. = 41 30 57.5 RAD. = 1856200.5	1.9 3.0 25.1
N46	X = 1435808 Y = 1163459 Z = -175543	30 29 18	LAT. = - 5 25 34.4 LONG. = 39 1 6.3 RAD. = 1856339.9	2.0 3.4 28.0
N47	X = 1484538 Y = 1099179 Z = -186176	34 31 20	LAT. = - 5 45 19.4 LONG. = 36 31 .9 RAD. = 1856531.1	2.2 3.9 31.1
N48	X = 1530372 Y = 1032782 Z = -196432	35 35 21	LAT. = - 6 4 23.2 LONG. = 34 0 49.4 RAD. = 1856680.0	2.3 4.4 31.6
N49	X = 1573314 Y = 964330 Z = -206325	39 38 21	LAT. = - 6 22 46.9 LONG. = 31 30 19.3 RAD. = 1856830.7	2.3 4.7 34.2

EXPOSURE STATIONS MISSION 16 - PEV 63

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R10	X = -638411	26	LAT. = 7 45 21.6	2.1
	Y = 1706760	27	LONG. = 110 30 29.6	2.8
	Z = 248192	19	RAD. = 1839074.9	28.5
R11	X = -572625	22	LAT. = 7 23 36.9	1.9
	Y = 1731625	24	LONG. = 108 17 54.0	2.4
	Z = 239366	17	RAD. = 1839481.8	21.3
R12	X = -506039	21	LAT. = 7 11 15.8	1.8
	Y = 1753847	22	LONG. = 106 5 40.1	2.4
	Z = 230203	16	RAD. = 1837849.8	22.8
R13	X = -438627	17	LAT. = 6 53 10.2	1.5
	Y = 1773574	21	LONG. = 103 53 28.4	1.9
	Z = 220644	14	RAD. = 1840283.4	21.6
R14	X = -370499	16	LAT. = 6 34 30.2	1.5
	Y = 1790667	19	LONG. = 101 41 23.5	1.7
	Z = 210769	13	RAD. = 1840701.1	19.3
R15	X = -301882	15	LAT. = 6 15 17.5	1.4
	Y = 1805080	19	LONG. = 99 29 39.4	1.6
	Z = 200591	13	RAD. = 1841109.2	19.0
R16	X = -232781	15	LAT. = 5 55 32.5	1.3
	Y = 1816813	17	LONG. = 97 18 4.6	1.7
	Z = 190115	12	RAD. = 1841504.9	17.0
R17	X = -163322	14	LAT. = 5 35 16.9	1.3
	Y = 1825915	16	LONG. = 95 6 40.7	1.6
	Z = 179341	12	RAD. = 1841958.3	16.5
R18	X = -97655	13	LAT. = 5 14 34.0	1.2
	Y = 1832251	16	LONG. = 92 55 34.0	1.4
	Z = 168347	11	RAD. = 1842350.5	16.0
R19	X = -28813	14	LAT. = 4 53 23.1	1.2
	Y = 1839966	14	LONG. = 90 44 35.7	1.6
	Z = 157080	11	RAD. = 1842827.4	15.5
R20	X = 8178	13	LAT. = 4 32 24.8	1.2
	Y = 1847221	14	LONG. = 88 34 44.9	1.4
	Z = 145711	11	RAD. = 1843304.3	15.0

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R21	X = 125618 Y = 1834787 Z = 132238	13 16 10	LAT. = 4 6 45.9 LONG. = 86 5 .2 RAD. = 1843830.2	1.1 1.4 16.4
R22	X = 200280 Y = 1829473 Z = 119411	18 18 12	LAT. = 3 42 44.4 LONG. = 83 45 8.9 RAD. = 1844273.2	1.3 2.0 18.0
R23	X = 274591 Y = 1821169 Z = 106401	14 17 11	LAT. = 3 18 23.1 LONG. = 81 25 32.4 RAD. = 1844824.3	1.2 1.6 16.9
R24	X = 348452 Y = 1809761 Z = 93196	14 18 11	LAT. = 2 53 41.4 LONG. = 79 6 5.8 RAD. = 1845355.7	1.2 1.6 18.3
R25	X = 421708 Y = 1795300 Z = 79853	13 16 10	LAT. = 2 28 45.8 LONG. = 76 46 52.1 RAD. = 1845891.3	1.1 1.5 15.6
R26	X = 494355 Y = 1777810 Z = 66311	17 22 12	LAT. = 2 3 29.1 LONG. = 74 27 37.3 RAD. = 1846454.0	1.3 1.9 22.8
R27	X = 566033 Y = 1757309 Z = 52762	15 20 11	LAT. = 1 38 13.1 LONG. = 72 8 46.1 RAD. = 1846973.7	1.3 1.7 19.9
R28	X = 636872 Y = 1733858 Z = 39055	16 18 11	LAT. = 1 12 40.6 LONG. = 69 49 51.5 RAD. = 1847537.8	1.3 1.8 17.8
R29	X = 706591 Y = 1707468 Z = 25288	15 18 11	LAT. = 0 47 2.5 LONG. = 67 31 8.6 RAD. = 1848068.1	1.2 1.7 17.6
R30	X = 775070 Y = 1678181 Z = 11488	18 19 12	LAT. = 0 21 21.9 LONG. = 65 12 36.3 RAD. = 1848554.9	1.3 1.9 20.1
R31	X = 842304 Y = 1646134 Z = -2303	20 22 14	LAT. = - 0 4 16.9 LONG. = 62 54 6.5 RAD. = 1849117.3	1.5 2.2 27.7

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R32	X = 908138 Y = 1611269 Z = -16135	17 20 13	LAT. = - 0 29 59.4 LONG. = 60 35 37.3 RAD. = 1849638.6	1.4 2.0 19.9
R33	X = 972470 Y = 1573702 Z = -29938	19 20 13	LAT. = - 0 55 37.7 LONG. = 58 17 9.5 RAD. = 1850170.7	1.4 2.1 20.8
R34	X = 1040680 Y = 1529762 Z = -44890	19 19 12	LAT. = - 1 23 23.5 LONG. = 55 46 22.7 RAD. = 1850729.8	1.4 2.1 19.7
R35	X = 1111636 Y = 1479218 Z = -60877	20 21 13	LAT. = - 1 53 3.7 LONG. = 53 4 30.1 RAD. = 1851358.0	1.4 2.1 21.0
R36	X = 1180054 Y = 1425212 Z = -76762	22 20 13	LAT. = - 2 22 32.0 LONG. = 50 22 32.8 RAD. = 1851930.9	1.4 2.3 21.3
R37	X = 1245807 Y = 1368016 Z = -92454	22 21 14	LAT. = - 2 51 38.0 LONG. = 47 40 36.8 RAD. = 1852579.5	1.5 2.6 20.8
R38	X = 1308704 Y = 1307637 Z = -107914	22 20 14	LAT. = - 3 20 18.0 LONG. = 44 58 35.9 RAD. = 1853177.6	1.5 2.5 21.3
R39	X = 1368606 Y = 1244166 Z = -123178	28 25 17	LAT. = - 3 48 36.3 LONG. = 42 16 23.5 RAD. = 1853699.7	1.9 3.0 26.3
R40	X = 1425331 Y = 1177887 Z = -138149	30 28 18	LAT. = - 4 16 22.2 LONG. = 39 34 12.6 RAD. = 1854203.1	1.9 3.4 27.7
R41	X = 1478846 Y = 1109053 Z = -152857	35 32 19	LAT. = - 4 43 37.7 LONG. = 36 52 4.4 RAD. = 1854817.5	2.1 4.0 31.6
R42	X = 1528884 Y = 1037633 Z = -167052	38 37 21	LAT. = - 5 9 57.5 LONG. = 34 9 51.1 RAD. = 1855283.1	2.3 4.6 33.6

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R43	X = 1575554 Y = 963926 Z = -181028	40 39 22	LAT. = - 5 35 51.7 LONG. = 31 27 30.1 RAD. = 1855881.1	2.4 4.8 35.6
R44	X = 1618615 Y = 887816 Z = -194530	42 43 23	LAT. = - 6 0 54.7 LONG. = 28 44 41.7 RAD. = 1856333.3	2.6 5.3 37.3
R45	X = 1658101 Y = 809711 Z = -207649	46 48 28	LAT. = - 6 25 14.1 LONG. = 26 1 40.6 RAD. = 1856891.8	3.1 5.9 41.1
R46	X = 1693622 Y = 729725 Z = -220258	51 53 29	LAT. = - 6 48 39.5 LONG. = 23 18 34.5 RAD. = 1857247.0	3.2 6.2 48.2
R47	X = 1725351 Y = 648353 Z = -232404	51 57 29	LAT. = - 7 11 11.6 LONG. = 20 35 42.8 RAD. = 1857743.3	3.1 6.8 47.4
R48	X = 1753162 Y = 565375 Z = -243980	52 62 30	LAT. = - 7 32 41.4 LONG. = 17 52 26.1 RAD. = 1858157.8	3.2 7.2 49.0
R49	X = 1776942 Y = 481137 Z = -255040	54 65 30	LAT. = - 7 53 14.9 LONG. = 15 9 1.9 RAD. = 1858510.2	3.3 7.6 51.2
R50	X = 1796790 Y = 395765 Z = -265545	58 71 31	LAT. = - 8 12 45.8 LONG. = 12 25 18.3 RAD. = 1858924.2	3.4 8.3 54.1
R51	X = 1812532 Y = 309430 Z = -275419	65 91 32	LAT. = - 8 31 7.5 LONG. = 9 41 16.7 RAD. = 1859267.1	3.4 10.6 60.0
R52	X = 1824200 Y = 222380 Z = -284699	74 132 36	LAT. = - 8 48 22.7 LONG. = 6 57 1.4 RAD. = 1859627.0	3.7 15.3 67.4
R53	X = 1831725 Y = 134800 Z = -293312	82 198 41	LAT. = - 9 4 24.0 LONG. = 4 12 32.8 RAD. = 1859951.5	4.2 22.6 75.7

EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R54	X = 1835070 Y = 46895 Z = -301280	90 281 48	LAT. = - 9 19 14.2 LONG. = 1 27 50.0 RAD. = 1860228.3	4.7 31.7 88.4
R55	X = 1834211 Y = -41123 Z = -308590	93 379 55	LAT. = - 9 32 51.8 LONG. = - 1 17 3.7 RAD. = 1860443.3	5.2 42.5 102.5
R56	X = 1829210 Y = -129109 Z = -315223	93 489 63	LAT. = - 9 45 13.7 LONG. = - 4 2 14.4 RAD. = 1860657.0	5.7 54.5 121.5
R57	X = 1820047 Y = -216853 Z = -321096	91 610 71	LAT. = - 9 56 11.2 LONG. = - 6 47 40.6 RAD. = 1860825.7	6.2 67.6 146.6
R58	X = 1806747 Y = -304068 Z = -326197	88 741 78	LAT. = -10 5 42.6 LONG. = - 9 33 11.3 RAD. = 1860966.8	6.5 81.8 177.1
R59	X = 1789347 Y = -390743 Z = -330632	88 882 85	LAT. = -10 13 59.0 LONG. = - 12 19 6.3 RAD. = 1861118.1	6.6 97.1 212.9
R60	X = 1767862 Y = -476503 Z = -334270	102 1030 92	LAT. = -10 20 46.8 LONG. = - 15 5 5.3 RAD. = 1861216.9	6.7 113.3 255.5
R61	X = 1742351 Y = -561319 Z = -337192	134 1185 97	LAT. = -10 26 13.6 LONG. = - 17 51 25.1 RAD. = 1861333.7	6.5 130.2 305.2
R62	X = 1712827 Y = -644859 Z = -339393	183 1345 101	LAT. = -10 30 20.3 LONG. = - 20 37 50.7 RAD. = 1861399.2	6.3 147.7 362.1
R63	X = 1679370 Y = -727030 Z = -340823	247 1509 104	LAT. = -10 33 .3 LONG. = - 23 24 31.2 RAD. = 1861456.0	6.1 165.8 426.5
R64	X = 1642031 Y = -807495 Z = -341434	325 1676 106	LAT. = -10 34 9.9 LONG. = - 26 11 11.0 RAD. = 1861421.3	6.1 184.4 499.0

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EXPOSURE STATIONS
MISSION 16 - REV 63
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
R65	X = 1601041	416	LAT. = -10 33 54.5	6.5
	Y = -885996	1846	LONG. = - 28 57 34.5	203.4
	Z = -341294	107	RAD. = 1861398.2	578.1

EXPOSURE STATIONS MISSION 17 - REV 2

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0170	X = -1587784 Y = -754068 Z = -616358	40 56 26	LAT. = -19 9 24.0 LONG. = 205 4 14.1 RAD. = 1832679.1	2.6 6.2 45.0
0172	X = -1621501 Y = -678162 Z = -607182	39 50 25	LAT. = -19 3 28.8 LONG. = 202 41 46.3 RAD. = 1859526.4	2.5 5.7 41.4
0174	X = -1652126 Y = -600773 Z = -596804	37 47 25	LAT. = -18 45 5.7 LONG. = 199 58 59.2 RAD. = 1856508.0	2.5 5.3 41.1
0176	X = -1679477 Y = -522342 Z = -585287	36 44 23	LAT. = -18 24 21.3 LONG. = 197 16 35.3 RAD. = 1853656.7	2.4 5.0 39.0
0178	X = -1703577 Y = -442674 Z = -572585	36 42 23	LAT. = -18 1 11.8 LONG. = 194 33 58.1 RAD. = 1850942.3	2.3 4.8 38.6
0180	X = -1724259 Y = -362306 Z = -558782	34 40 22	LAT. = -17 35 46.2 LONG. = 191 51 59.4 RAD. = 1848397.4	2.2 4.6 36.4
0181	X = -1733334 Y = -321757 Z = -551458	34 39 21	LAT. = -17 22 11.8 LONG. = 190 30 57.8 RAD. = 1847182.1	2.2 4.5 35.6
0182	X = -1741553 Y = -281040 Z = -543848	33 39 21	LAT. = -17 8 2.3 LONG. = 189 10 1.1 RAD. = 1846011.9	2.1 4.4 34.8
0183	X = -1748900 Y = -240208 Z = -535974	32 38 21	LAT. = -16 53 20.4 LONG. = 187 49 14.0 RAD. = 1844889.7	2.2 4.3 33.8
0184	X = -1755369 Y = -199215 Z = -527835	31 37 19	LAT. = -16 38 6.3 LONG. = 186 28 29.1 RAD. = 1843805.4	2.0 4.3 32.7
0185	X = -1760944 Y = -158233 Z = -519442	30 36 19	LAT. = -16 22 2.2 LONG. = 185 8 4.7 RAD. = 1842764.8	2.0 4.2 31.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0186	X = -1765641 Y = -117148 Z = -510797	30 35 18	LAT. = -16 6 5.5 LONG. = 183 47 45.3 RAD. = 1841772.7	1.8 4.1 30.7
0187	X = -1769465 Y = -75932 Z = -501872	29 34 18	LAT. = -15 49 15.8 LONG. = 182 27 25.9 RAD. = 1840828.5	1.9 4.0 29.8
0188	X = -1772392 Y = -34690 Z = -492710	29 33 17	LAT. = -15 31 57.5 LONG. = 181 7 16.6 RAD. = 1839929.4	1.8 3.9 29.5
0189	X = -1774426 Y = 6585 Z = -483279	28 32 17	LAT. = -15 14 7.2 LONG. = 179 47 14.6 RAD. = 1839072.7	1.8 3.8 29.0
0190	X = -1775569 Y = 47838 Z = -473615	28 31 17	LAT. = -14 55 48.5 LONG. = 178 27 24.0 RAD. = 1838271.8	1.7 3.7 28.6
0191	X = -1775801 Y = 89025 Z = -463727	28 30 16	LAT. = -14 37 3.5 LONG. = 177 7 48.1 RAD. = 1837508.5	1.7 3.6 28.2
0192	X = -1775142 Y = 130172 Z = -453600	28 30 17	LAT. = -14 17 49.9 LONG. = 175 48 21.5 RAD. = 1836798.1	1.8 3.5 27.9
0193	X = -1773585 Y = 171269 Z = -443245	28 29 17	LAT. = -13 58 9.2 LONG. = 174 29 3.3 RAD. = 1836138.6	1.8 3.4 27.7
0194	X = -1771134 Y = 212296 Z = -432664	28 28 16	LAT. = -13 38 1.7 LONG. = 173 9 53.6 RAD. = 1835533.1	1.7 3.3 27.4
0195	X = -1767772 Y = 253243 Z = -421862	27 28 16	LAT. = -13 17 28.6 LONG. = 171 50 51.1 RAD. = 1834970.8	1.7 3.3 26.9
0196	X = -1763515 Y = 294025 Z = -410850	27 27 16	LAT. = -12 56 30.8 LONG. = 170 32 3.6 RAD. = 1834457.1	1.7 3.2 26.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0197	X = -1758364 Y = 334644 Z = -399632	27 26 15	LAT. = -12 35 9.1 LONG. = 169 13 28.5 RAD. = 1833994.4	1.6 3.1 26.3
0198	X = -1752324 Y = 375101 Z = -388212	27 26 15	LAT. = -12 13 24.0 LONG. = 167 55 3.6 RAD. = 1833589.5	1.7 3.1 26.0
0199	X = -1745382 Y = 415413 Z = -376577	27 26 16	LAT. = -11 51 14.0 LONG. = 166 36 44.2 RAD. = 1833231.2	1.7 3.1 26.5
0200	X = -1737544 Y = 455494 Z = -364766	26 25 15	LAT. = -11 28 44.3 LONG. = 165 18 38.0 RAD. = 1832918.2	1.6 3.0 25.5
0201	X = -1728826 Y = 495282 Z = -352776	27 24 15	LAT. = -11 5 54.4 LONG. = 164 0 49.8 RAD. = 1832647.2	1.6 2.9 26.1
0202	X = -1719250 Y = 534824 Z = -340597	26 24 15	LAT. = -10 42 42.7 LONG. = 162 43 12.5 RAD. = 1832447.6	1.6 2.9 24.5
0203	X = -1708775 Y = 574110 Z = -328259	26 23 14	LAT. = -10 19 13.5 LONG. = 161 25 43.7 RAD. = 1832284.4	1.6 2.9 24.7
0204	X = -1697444 Y = 613051 Z = -315761	26 23 14	LAT. = - 9 55 26.6 LONG. = 160 8 32.0 RAD. = 1832171.4	1.6 2.8 24.4
0205	X = -1685228 Y = 651782 Z = -303078	25 23 14	LAT. = - 9 31 18.9 LONG. = 158 51 19.5 RAD. = 1832122.2	1.5 2.8 23.7
0206	X = -1672164 Y = 690147 Z = -290250	25 22 14	LAT. = - 9 6 55.3 LONG. = 157 34 21.9 RAD. = 1832124.4	1.5 2.8 23.9
0207	X = -1658237 Y = 728164 Z = -277280	24 22 14	LAT. = - 8 42 16.4 LONG. = 156 17 34.0 RAD. = 1832172.5	1.5 2.8 23.0

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0208	X = -1643459 Y = 765796 Z = -264163	24 22 14	LAT. = - 8 17 21.9 LONG. = 155 0 57.9 RAD. = 1832261.7	1.5 2.7 22.6
0209	X = -1627861 Y = 802994 Z = -250933	24 21 14	LAT. = - 7 52 15.3 LONG. = 153 44 37.4 RAD. = 1832401.9	1.5 2.7 22.4
0210	X = -1611429 Y = 839337 Z = -237562	24 21 13	LAT. = - 7 26 53.6 LONG. = 152 28 21.3 RAD. = 1832611.5	1.5 2.6 21.8
0211	X = -1594182 Y = 876234 Z = -224073	23 21 13	LAT. = - 7 1 19.6 LONG. = 151 12 17.4 RAD. = 1832869.6	1.5 2.6 21.6
0212	X = -1576112 Y = 912190 Z = -210462	23 21 13	LAT. = - 6 35 33.1 LONG. = 149 56 22.1 RAD. = 1833170.5	1.4 2.6 21.2
0213	X = -1557256 Y = 947671 Z = -196762	23 20 13	LAT. = - 6 9 37.6 LONG. = 148 40 38.4 RAD. = 1833532.6	1.4 2.5 21.5
0214	X = -1537576 Y = 982683 Z = -182948	23 20 13	LAT. = - 5 43 30.7 LONG. = 147 25 .7 RAD. = 1833923.5	1.4 2.5 21.3
0215	X = -1517133 Y = 1017189 Z = -169055	23 20 13	LAT. = - 5 17 16.2 LONG. = 146 9 33.9 RAD. = 1834379.1	1.4 2.4 20.9
0216	X = -1495923 Y = 1051189 Z = -155071	22 20 13	LAT. = - 4 50 52.8 LONG. = 144 54 15.1 RAD. = 1834892.7	1.4 2.4 20.8
0217	X = -1473951 Y = 1084669 Z = -141008	22 20 13	LAT. = - 4 24 21.7 LONG. = 143 39 3.3 RAD. = 1835462.1	1.5 2.5 20.7
0218	X = -1451198 Y = 1117598 Z = -126857	22 19 13	LAT. = - 3 57 42.7 LONG. = 142 23 57.7 RAD. = 1836054.5	1.4 2.4 20.4

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0219	X = -1427754 Y = 1149940 Z = -112668	22 19 13	LAT. = - 3 31 .6 LONG. = 141 9 4.9 RAD. = 1836719.1	1.4 2.4 20.7
0220	X = -1403552 Y = 1181703 Z = -98416	22 19 13	LAT. = - 3 4 13.4 LONG. = 139 54 17.0 RAD. = 1837407.3	1.5 2.4 20.1
0221	X = -1378649 Y = 1212871 Z = -84108	22 19 13	LAT. = - 2 37 21.4 LONG. = 138 39 36.7 RAD. = 1838152.1	1.5 2.4 20.3
0222	X = -1353058 Y = 1243439 Z = -69754	21 20 13	LAT. = - 2 10 25.8 LONG. = 137 25 2.9 RAD. = 1838959.8	1.5 2.3 20.2
0223	X = -1326738 Y = 1273378 Z = -55359	22 19 13	LAT. = - 1 43 27.5 LONG. = 136 10 32.4 RAD. = 1839780.5	1.5 2.3 20.6
0224	X = -1299797 Y = 1302671 Z = -40950	22 20 13	LAT. = - 1 16 29.2 LONG. = 134 56 12.2 RAD. = 1840679.7	1.5 2.4 20.4
0225	X = -1272190 Y = 1331320 Z = -26506	22 19 13	LAT. = - 0 49 28.8 LONG. = 133 41 56.2 RAD. = 1841625.0	1.5 2.3 20.7
0226	X = -1243954 Y = 1359299 Z = -12062	22 20 14	LAT. = - 0 22 30.2 LONG. = 132 27 46.8 RAD. = 1842623.1	1.5 2.3 20.9
0227	X = -1215071 Y = 1386604 Z = 2403	22 20 14	LAT. = 0 4 28.9 LONG. = 131 13 40.3 RAD. = 1843657.3	1.5 2.3 21.1
0228	X = -1185636 Y = 1413158 Z = 16824	22 20 14	LAT. = 0 31 21.2 LONG. = 129 59 47.7 RAD. = 1844730.9	1.5 2.4 20.8
0229	X = -1155547 Y = 1439067 Z = 31270	22 19 14	LAT. = 0 58 14.5 LONG. = 128 45 49.0 RAD. = 1845352.1	1.5 2.3 21.1

EXPOSURE STATIONS
MISSION 17 - REV 2
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0230	X = -1124894 Y = 1464233 Z = 45696	22 20 14	LAT. = 1 25 3.6 LONG. = 127 31 59.5 RAD. = 1847011.8	1.6 2.3 21.5
0231	X = -1093693 Y = 1488672 Z = 60110	23 22 15	LAT. = 1 51 49.6 LONG. = 126 18 13.9 RAD. = 1848221.8	1.7 2.4 23.1

EXPOSURE STATIONS

MISSION 17 - REV 14

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0336	X = -1769196 Y = 2347 Z = -558409	28 32 19	LAT. = -17 31 1.8 LONG. = 179 55 26.3 RAD. = 1855230.9	2.0 3.8 29.0
0338	X = -1772281 Y = 89813 Z = -543464	28 30 18	LAT. = -17 1 38.6 LONG. = 177 5 56.2 RAD. = 1855909.2	1.9 3.6 28.1
0340	X = -1771307 Y = 177008 Z = -527263	27 29 17	LAT. = -16 29 56.2 LONG. = 174 17 36.0 RAD. = 1856574.1	1.7 3.4 27.2
0342	X = -1766269 Y = 263881 Z = -509855	27 27 16	LAT. = -15 56 1.3 LONG. = 171 30 10.3 RAD. = 1857227.2	1.7 3.2 26.2
0344	X = -1757171 Y = 350101 Z = -491281	26 26 16	LAT. = -15 20 .5 LONG. = 168 43 54.7 RAD. = 1857842.0	1.7 3.1 25.2
0346	X = -1744085 Y = 435533 Z = -471625	25 24 15	LAT. = -14 42 2.2 LONG. = 165 58 43.9 RAD. = 1858480.1	1.6 2.9 24.4
0348	X = -1726963 Y = 520027 Z = -450865	25 24 15	LAT. = -14 2 7.8 LONG. = 163 14 30.5 RAD. = 1859060.8	1.6 2.9 23.6
0350	X = -1705918 Y = 603290 Z = -429076	24 23 15	LAT. = -13 20 24.6 LONG. = 160 31 26.7 RAD. = 1859629.7	1.5 2.8 22.9
0352	X = -1680962 Y = 685196 Z = -406328	24 22 14	LAT. = -12 37 1.9 LONG. = 157 49 23.3 RAD. = 1860168.9	1.5 2.7 22.1
0354	X = -1652196 Y = 765523 Z = -382654	23 22 14	LAT. = -11 52 3.3 LONG. = 155 8 4.0 RAD. = 1860698.6	1.4 2.7 21.5
0356	X = 1619646 Y = 844158 Z = -358100	23 21 14	LAT. = -11 5 34.8 LONG. = 152 28 17.4 RAD. = 1861200.9	1.4 2.6 21.3

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0358	X = -1583354 Y = 920874 Z = -332772	23 21 14	LAT. = -10 17 49.2 LONG. = 149 49 4.3 RAD. = 1861654.0	1.4 2.6 20.5
0360	X = -1543510 Y = 995443 Z = -306645	22 19 13	LAT. = - 9 28 42.7 LONG. = 147 10 52.1 RAD. = 1862085.3	1.4 2.4 20.4
0362	X = -1500153 Y = 1067781 Z = -279852	22 19 13	LAT. = - 8 38 30.3 LONG. = 144 33 26.8 RAD. = 1862506.8	1.4 2.4 19.8
0364	X = -1453412 Y = 1137687 Z = -252428	21 19 13	LAT. = - 7 47 15.5 LONG. = 141 56 50.0 RAD. = 1862916.4	1.4 2.4 19.3
0366	X = -1403406 Y = 1204889 Z = -224482	21 19 12	LAT. = - 6 55 11.0 LONG. = 139 21 8.6 RAD. = 1863249.2	1.3 2.3 18.9
0368	X = -1350197 Y = 1269415 Z = -196000	21 19 13	LAT. = - 6 2 14.1 LONG. = 136 45 58.7 RAD. = 1863561.3	1.1 2.4 18.9
0370	X = -1293901 Y = 1331131 Z = -167059	20 19 12	LAT. = - 5 8 32.5 LONG. = 134 11 14.8 RAD. = 1863866.9	1.3 2.3 18.5
0372	X = -1234663 Y = 1389795 Z = -137769	21 19 12	LAT. = - 4 14 18.1 LONG. = 131 37 1.8 RAD. = 1864109.3	1.4 2.4 18.6
0374	X = -1172644 Y = 1445319 Z = -108141	20 18 12	LAT. = - 3 19 31.2 LONG. = 129 3 13.6 RAD. = 1864332.4	1.3 2.2 18.0
0376	X = -1107935 Y = 1497576 Z = -78269	19 18 12	LAT. = - 2 24 21.3 LONG. = 126 29 41.0 RAD. = 1864505.3	1.3 2.1 17.9
0378	X = -1040743 Y = 1540454 Z = -48251	19 18 12	LAT. = - 1 28 58.0 LONG. = 123 56 1.1 RAD. = 1864670.4	1.3 2.1 17.7

EXPOSURE STATIONS
MISSION 17 - REEL 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0380	X = -971225	19	LAT. = - 0 33 22.9	1.3
	Y = 1591803	18	LONG. = 121 23 20.7	2.1
	Z = -18107	12	RAD. = 1864790.4	17.6
0382	X = -899422	19	LAT. = 0 22 18.8	1.3
	Y = 1633593	18	LONG. = 118 50 10.6	2.1
	Z = 12104	12	RAD. = 1864868.0	18.2
0384	X = -825637	18	LAT. = 1 17 55.8	1.3
	Y = 1671661	16	LONG. = 116 17 5.6	2.1
	Z = 42272	12	RAD. = 1864916.8	17.7
0386	X = -749972	17	LAT. = 2 13 24.2	1.4
	Y = 1705968	19	LONG. = 113 43 51.9	2.0
	Z = 72351	12	RAD. = 1864945.0	18.3
0388	X = -672622	18	LAT. = 3 8 35.1	1.4
	Y = 1736402	18	LONG. = 111 10 28.8	2.0
	Z = 102254	12	RAD. = 1864931.6	18.1
0390	X = -593760	20	LAT. = 4 3 25.1	1.3
	Y = 1762910	18	LONG. = 108 36 49.9	2.3
	Z = 131938	12	RAD. = 1864888.7	17.9
0392	X = -513484	16	LAT. = 4 57 47.2	1.2
	Y = 1785456	17	LONG. = 106 2 41.5	1.8
	Z = 161333	11	RAD. = 1864818.8	17.7
0394	X = -432082	14	LAT. = 5 51 33.2	1.2
	Y = 1803936	16	LONG. = 103 28 11.3	1.5
	Z = 190357	11	RAD. = 1864702.7	16.3
0396	X = -349636	13	LAT. = 6 44 38.7	1.2
	Y = 1818322	17	LONG. = 100 53 3.3	1.5
	Z = 218961	11	RAD. = 1864533.2	16.6
0398	X = -266431	14	LAT. = 7 36 54.1	1.3
	Y = 1828616	16	LONG. = 98 17 23.0	1.6
	Z = 247059	12	RAD. = 1864365.4	16.4
0400	X = -182635	12	LAT. = 8 28 16.2	1.2
	Y = 1834759	16	LONG. = 95 41 4.5	1.4
	Z = 274613	11	RAD. = 1864164.4	16.5

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0402	X = -98358 Y = 1836724 Z = 301557	13 17 11	LAT. = 9 18 38.3 LONG. = 93 3 55.1 RAD. = 1863911.7	1.2 1.5 16.6
0404	X = -13855 Y = 1834497 Z = 327815	14 16 12	LAT. = 10 7 52.5 LONG. = 90 25 57.8 RAD. = 1863608.1	1.3 1.6 16.5
0406	X = 70738 Y = 1828100 Z = 353341	13 16 11	LAT. = 10 55 53.1 LONG. = 87 47 2.7 RAD. = 1863277.9	1.2 1.5 16.2
0408	X = 155087 Y = 1817567 Z = 378084	18 16 14	LAT. = 11 42 34.2 LONG. = 85 7 22.7 RAD. = 1862941.4	1.5 2.0 16.2
0410	X = 239307 Y = 1802854 Z = 401989	14 16 12	LAT. = 12 27 50.3 LONG. = 82 26 19.9 RAD. = 1862564.5	1.3 1.6 15.8
0412	X = 322858 Y = 1784044 Z = 424959	18 15 13	LAT. = 13 11 29.6 LONG. = 79 44 32.0 RAD. = 1862159.9	1.5 2.0 15.3
0414	X = 405681 Y = 1761151 Z = 446964	14 15 12	LAT. = 13 53 28.8 LONG. = 77 1 41.5 RAD. = 1861721.7	1.3 1.6 15.1
0416	X = 487609 Y = 1734218 Z = 467990	14 15 12	LAT. = 14 33 45.3 LONG. = 74 17 44.3 RAD. = 1861260.3	1.3 1.6 14.9
0418	X = 568349 Y = 1703345 Z = 487909	14 14 12	LAT. = 15 12 4.0 LONG. = 71 32 52.4 RAD. = 1860768.8	1.3 1.5 14.4
0420	X = 647891 Y = 1668533 Z = 506732	14 14 12	LAT. = 15 48 25.6 LONG. = 68 46 43.8 RAD. = 1860253.3	1.3 1.6 14.4
0422	X = 725992 Y = 1629876 Z = 524423	14 14 13	LAT. = 16 22 44.3 LONG. = 65 59 25.7 RAD. = 1859726.1	1.4 1.6 14.5

EXPOSURE STATIONS
MISSION 17 - REV 14
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
0424	X = 802417	15	LAT. = 16 54 52.7	1.4
	Y = 1587457	14	LONG. = 63 11 4.6	1.7
	Z = 540917	13	RAD. = 1859162.2	14.7
0426	X = 877026	14	LAT. = 17 24 43.5	1.4
	Y = 1541385	14	LONG. = 60 21 38.7	1.7
	Z = 556169	13	RAD. = 1858592.2	14.2
0428	X = 949644	15	LAT. = 17 52 14.1	1.6
	Y = 1491721	14	LONG. = 57 31 7.6	1.8
	Z = 570158	14	RAD. = 1857992.7	14.4
0430	X = 1020023	16	LAT. = 18 17 16.7	1.6
	Y = 1438647	15	LONG. = 54 39 46.0	1.8
	Z = 582832	15	RAD. = 1857375.4	15.8

EXPOSURE STATIONS MISSION 17 - REV 29

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1390	X = -1722776 Y = 414323 Z = -563827	26 24 19	LAT. = -17 39 4.8 LONG. = 166 28 38.4 RAD. = 1859440.7	2.0 3.0 24.8
1392	X = -1706623 Y = 493836 Z = -550501	25 24 17	LAT. = -17 12 57.3 LONG. = 163 51 41.2 RAD. = 1859969.7	1.9 2.9 23.9
1394	X = -1687123 Y = 572315 Z = -536100	25 23 16	LAT. = -16 44 50.8 LONG. = 161 15 42.4 RAD. = 1860465.8	1.7 2.8 23.5
1396	X = -1664313 Y = 649712 Z = -520651	24 22 16	LAT. = -16 14 48.7 LONG. = 158 40 31.4 RAD. = 1860951.8	1.6 2.8 22.5
1398	X = -1638243 Y = 725798 Z = -504197	24 21 16	LAT. = -15 42 57.5 LONG. = 156 6 18.0 RAD. = 1861408.0	1.6 2.7 22.1
1400	X = -1608951 Y = 800540 Z = -486734	23 20 15	LAT. = -15 9 16.6 LONG. = 153 32 49.9 RAD. = 1861853.1	1.5 2.6 21.2
1402	X = -1576519 Y = 873641 Z = -468354	22 20 14	LAT. = -14 33 58.2 LONG. = 151 0 23.8 RAD. = 1862260.9	1.5 2.5 20.7
1404	X = -1541007 Y = 945026 Z = -449051	22 19 14	LAT. = -13 57 1.7 LONG. = 148 28 52.3 RAD. = 1862638.4	1.4 2.5 20.1
1406	X = -1502496 Y = 1014542 Z = -428886	22 19 14	LAT. = -13 18 34.8 LONG. = 145 58 16.7 RAD. = 1862990.0	1.4 2.4 19.7
1408	X = -1461070 Y = 1082038 Z = -407900	21 18 13	LAT. = -12 38 42.4 LONG. = 143 28 37.6 RAD. = 1863307.2	1.3 2.3 19.3
1410	X = -1416761 Y = 1147433 Z = -388110	21 18 13	LAT. = -11 57 26.8 LONG. = 140 59 41.3 RAD. = 1863601.7	1.4 2.3 19.2

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1412	X = -1369685 Y = 1210689 Z = -363578	20 18 13	LAT. = -11 14 55.0 LONG. = 138 31 33.5 RAD. = 1863865.5	1.3 2.2 18.4
1414	X = -1319946 Y = 1271521 Z = -540331	20 18 12	LAT. = -10 31 10.5 LONG. = 136 4 13.8 RAD. = 1864094.1	1.3 2.2 18.0
1416	X = -1267650 Y = 1329886 Z = -316436	20 18 13	LAT. = - 9 46 20.4 LONG. = 133 37 38.9 RAD. = 1864313.5	1.4 2.3 17.9
1418	X = -1212905 Y = 1385603 Z = -291930	19 17 12	LAT. = - 9 0 29.4 LONG. = 131 11 51.6 RAD. = 1864472.3	1.2 2.1 17.8
1420	X = -1155832 Y = 1438613 Z = -266890	19 17 12	LAT. = - 8 13 45.3 LONG. = 128 46 46.6 RAD. = 1864614.1	1.3 2.1 17.5
1422	X = -1096557 Y = 1488785 Z = -241331	19 17 12	LAT. = - 7 26 9.8 LONG. = 126 22 23.9 RAD. = 1864714.3	1.3 2.1 17.4
1424	X = -1035129 Y = 1536118 Z = -215290	19 17 12	LAT. = - 6 37 46.7 LONG. = 123 58 28.1 RAD. = 1864805.9	1.3 2.2 17.0
1426	X = -971692 Y = 1580441 Z = -188862	18 17 11	LAT. = - 5 48 45.3 LONG. = 121 35 3.0 RAD. = 1864845.2	1.2 2.0 17.1
1428	X = -906366 Y = 1621707 Z = -162055	18 16 11	LAT. = - 4 59 6.9 LONG. = 119 12 2.4 RAD. = 1864857.5	1.2 1.9 16.7
1430	X = -839328 Y = 1659782 Z = -134975	16 16 10	LAT. = - 4 9 2.4 LONG. = 116 49 30.2 RAD. = 1864823.4	1.1 1.8 16.3
1432	X = -770607 Y = 1694703 Z = -107590	16 16 10	LAT. = - 3 18 27.2 LONG. = 114 27 7.2 RAD. = 1864786.6	1.1 1.8 15.6

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1434	X = -700401 Y = 1726340 Z = -80003	16 16 10	LAT. = - 2 27 32.2 LONG. = 112 4 59.1 RAD. = 1864728.1	1.1 1.7 15.5
1436	X = -528873 Y = 1754582 Z = -52291	15 15 10	LAT. = - 1 36 25.3 LONG. = 109 43 6.8 RAD. = 1864610.6	1.1 1.6 15.3
1438	X = -556087 Y = 1779453 Z = -24429	16 16 10	LAT. = - 0 45 2.6 LONG. = 107 21 15.3 RAD. = 1864479.1	1.1 1.8 15.5
1440	X = -482177 Y = 1800858 Z = 3457	14 15 9	LAT. = 0 6 22.4 LONG. = 104 59 21.1 RAD. = 1864304.2	1.0 1.6 14.9
1442	X = -407332 Y = 1818761 Z = 31335	13 14 9	LAT. = 0 57 47.5 LONG. = 102 37 25.4 RAD. = 1864080.0	1.0 1.4 14.1
1444	X = -331763 Y = 1833151 Z = 59134	13 14 9	LAT. = 1 49 5.2 LONG. = 100 15 30.0 RAD. = 1863868.2	1.0 1.4 13.8
1446	X = -255522 Y = 1843963 Z = 86848	12 13 9	LAT. = 2 40 15.9 LONG. = 97 53 21.7 RAD. = 1863608.1	1.0 1.3 13.0
1448	X = -178731 Y = 1851193 Z = 114376	11 12 8	LAT. = 3 31 9.2 LONG. = 95 30 53.2 RAD. = 1863314.9	.9 1.2 12.3
1450	X = -101648 Y = 1854819 Z = 141697	11 12 8	LAT. = 4 21 43.4 LONG. = 93 8 12.5 RAD. = 1862998.7	.9 1.3 12.2
1452	X = -24356 Y = 1854837 Z = 168716	12 12 9	LAT. = 5 11 48.7 LONG. = 90 45 8.3 RAD. = 1862653.9	1.0 1.3 12.1
1454	X = 52965 Y = 1851229 Z = 195424	12 13 9	LAT. = 6 1 25.1 LONG. = 88 21 40.3 RAD. = 1862268.3	1.0 1.4 12.9

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1456	X = 130234 Y = 1844013 Z = 221771	12 13 9	LAT. = 6 50 27.2 LONG. = 85 57 36.6 RAD. = 1861861.3	1.0 1.3 13.4
1458	X = 207223 Y = 1833222 Z = 247654	13 13 9	LAT. = 7 38 43.9 LONG. = 83 33 2.8 RAD. = 1861444.7	1.0 1.4 13.1
1460	X = 283810 Y = 1818847 Z = 273088	14 14 10	LAT. = 8 26 17.5 LONG. = 81 7 52.2 RAD. = 1861002.3	1.1 1.5 14.1
1462	X = 359841 Y = 1800930 Z = 297983	14 14 10	LAT. = 9 12 58.0 LONG. = 78 42 2.2 RAD. = 1860544.9	1.1 1.5 13.6
1464	X = 435231 Y = 1779457 Z = 322313	14 14 10	LAT. = 9 58 43.3 LONG. = 76 15 21.8 RAD. = 1860048.1	1.1 1.5 13.5
1466	X = 509714 Y = 1754513 Z = 345997	14 14 11	LAT. = 10 43 24.1 LONG. = 73 48 2.0 RAD. = 1859526.6	1.2 1.6 13.7
1468	X = 583251 Y = 1726135 Z = 369030	14 14 10	LAT. = 11 26 59.3 LONG. = 71 19 48.7 RAD. = 1859007.5	1.1 1.6 13.6
1470	X = 655684 Y = 1694347 Z = 391336	14 14 11	LAT. = 12 9 20.7 LONG. = 68 50 39.8 RAD. = 1858460.5	1.2 1.7 13.5
1472	X = 726761 Y = 1659236 Z = 412884	14 14 11	LAT. = 12 50 25.0 LONG. = 66 20 46.1 RAD. = 1857880.6	1.2 1.7 13.4
1474	X = 796464 Y = 1620843 Z = 433621	14 14 11	LAT. = 13 30 5.2 LONG. = 63 49 51.7 RAD. = 1857286.3	1.2 1.7 13.5
1476	X = 864672 Y = 1579211 Z = 453549	14 14 11	LAT. = 14 8 21.3 LONG. = 61 17 52.0 RAD. = 1856683.1	1.2 1.7 13.6

EXPOSURE STATIONS
MISSION 17 - REV 29
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1478	X = 931196	15	LAT. = 14 45 2.2	1.3
	Y = 1534444	14	LONG. = 58 44 52.8	1.8
	Z = 472577	11	RAD. = 1856063.8	13.7
1480	X = 995900	15	LAT. = 15 20 5.4	1.3
	Y = 1486611	15	LONG. = 56 10 52.9	1.8
	Z = 490685	12	RAD. = 1855425.2	15.0

EXPOSURE STATIONS MISSION 17 - REV 38

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1700	X = -1632164	24	LAT. = -17 28 33.1	2.0
	Y = 694489	22	LONG. = 156 57 .5	2.7
	Z = -558447	18	RAD. = 1859607.0	22.8
1702	X = -1603256	23	LAT. = -17 2 1.5	1.7
	Y = 769627	21	LONG. = 154 21 25.7	2.6
	Z = -544861	16	RAD. = 1860007.8	21.9
1704	X = -1571184	23	LAT. = -16 33 30.2	1.6
	Y = 843408	20	LONG. = 151 46 23.5	2.5
	Z = -530198	15	RAD. = 1860394.0	21.0
1706	X = -1536106	22	LAT. = -16 3 7.6	1.6
	Y = 915465	19	LONG. = 149 12 23.5	2.5
	Z = -514522	15	RAD. = 1860761.0	20.4
1708	X = -1498035	22	LAT. = -15 30 57.9	1.6
	Y = 985742	19	LONG. = 146 39 14.9	2.4
	Z = -497859	15	RAD. = 1861091.1	20.1
1710	X = -1457042	21	LAT. = -14 57 3.9	1.5
	Y = 1054152	18	LONG. = 144 6 53.0	2.4
	Z = -480232	14	RAD. = 1861405.0	19.3
1712	X = -1413241	21	LAT. = -14 21 31.4	1.4
	Y = 1120492	18	LONG. = 141 35 26.7	2.3
	Z = -461686	13	RAD. = 1861694.4	18.8
1714	X = -1366623	20	LAT. = -13 44 20.5	1.4
	Y = 1184744	17	LONG. = 139 4 39.1	2.3
	Z = -442211	13	RAD. = 1861941.4	18.5
1716	X = -1317432	20	LAT. = -13 5 44.4	1.5
	Y = 1246621	18	LONG. = 136 34 54.9	2.3
	Z = -421928	14	RAD. = 1862180.2	17.9
1718	X = -1265669	20	LAT. = -12 25 42.7	1.4
	Y = 1306077	17	LONG. = 134 5 59.4	2.2
	Z = -400822	13	RAD. = 1862367.5	17.8
1720	X = -1211489	19	LAT. = -11 44 20.2	1.4
	Y = 1363000	17	LONG. = 131 37 55.1	2.2
	Z = -378940	13	RAD. = 1862544.0	17.4

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME No.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1722	X = -1154885 Y = 1417354 Z = -356326	19 17 12	LAT. = -11 1 42.4 LONG. = 129 10 25.5 RAD. = 1862691.6	1.3 2.1 17.3
1724	X = -1096087 Y = 1468930 Z = -333021	18 17 12	LAT. = -10 17 53.9 LONG. = 126 43 46.5 RAD. = 1862811.5	1.2 2.0 17.3
1726	X = -1035176 Y = 1517673 Z = -309074	18 16 12	LAT. = - 9 33 .1 LONG. = 124 17 49.8 RAD. = 1862913.7	1.3 2.0 16.1
1728	X = -972283 Y = 1563462 Z = -284550	17 16 11	LAT. = - 8 47 8.4 LONG. = 121 52 35.7 RAD. = 1862986.1	1.2 1.9 16.4
1730	X = -907503 Y = 1606206 Z = -259490	17 16 11	LAT. = - 8 0 23.4 LONG. = 119 27 58.9 RAD. = 1863007.1	1.2 1.9 15.8
1732	X = -840974 Y = 1645858 Z = -233917	16 16 11	LAT. = - 7 12 46.8 LONG. = 117 3 55.4 RAD. = 1863009.0	1.2 1.8 15.9
1734	X = -772826 Y = 1682325 Z = -207895	16 15 11	LAT. = - 6 24 25.7 LONG. = 114 40 23.1 RAD. = 1862980.9	1.2 1.7 15.3
1736	X = -703184 Y = 1715541 Z = -181482	16 15 11	LAT. = - 5 35 25.7 LONG. = 112 17 17.7 RAD. = 1862923.4	1.2 1.7 15.1
1738	X = -632177 Y = 1745454 Z = -154714	15 15 10	LAT. = - 4 45 50.5 LONG. = 109 54 34.6 RAD. = 1862846.2	1.1 1.7 14.6
1740	X = -559971 Y = 1772000 Z = -127660	14 15 10	LAT. = - 3 55 47.0 LONG. = 107 32 13.6 RAD. = 1862753.4	1.2 1.6 14.9
1742	X = -486644 Y = 1795107 Z = -100341	14 14 9	LAT. = - 3 5 17.2 LONG. = 105 10 4.9 RAD. = 1862605.5	1.0 1.5 13.9

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1744	X = -412379 Y = 1814740 Z = -72831	14 13 10	LAT. = - 2 14 28.1 LONG. = 102 48 8.7 RAD. = 1862429.5	1.1 1.6 13.2
1746	X = -337308 Y = 1830879 Z = -45183	11 12 8	LAT. = - 1 23 25.1 LONG. = 100 26 19.4 RAD. = 1862239.7	.9 1.3 12.3
1748	X = -261574 Y = 1843476 Z = -17448	12 12 8	LAT. = - 0 32 12.8 LONG. = 98 4 33.2 RAD. = 1862022.7	.9 1.3 11.8
1750	X = -185316 Y = 1852503 Z = 10330	12 11 7	LAT. = 0 19 4.4 LONG. = 95 42 45.4 RAD. = 1861777.8	.8 1.3 10.9
1752	X = -108713 Y = 1857931 Z = 38077	10 11 7	LAT. = 1 10 19.5 LONG. = 93 20 55.4 RAD. = 1861498.0	.8 1.1 11.1
1754	X = -31878 Y = 1859772 Z = 65753	11 10 7	LAT. = 2 1 28.5 LONG. = 90 58 55.2 RAD. = 1861207.4	.8 1.2 10.4
1756	X = 45038 Y = 1858002 Z = 93321	11 11 7	LAT. = 2 52 28.3 LONG. = 88 36 41.1 RAD. = 1860889.0	.8 1.2 10.9
1753	X = 122012 Y = 1852611 Z = 120744	11 11 8	LAT. = 3 43 15.4 LONG. = 86 13 55.1 RAD. = 1860547.1	.9 1.2 11.4
1760	X = 198578 Y = 1843619 Z = 147870	11 12 8	LAT. = 4 33 33.8 LONG. = 83 51 8.3 RAD. = 1860169.1	.9 1.2 11.9
1762	X = 274814 Y = 1831036 Z = 174735	12 13 9	LAT. = 5 23 28.3 LONG. = 81 27 51.7 RAD. = 1859770.6	1.0 1.3 12.6
1764	X = 350470 Y = 1814839 Z = 201075	14 13 10	LAT. = 6 12 49.9 LONG. = 79 4 10.9 RAD. = 1859340.5	1.1 1.5 12.3

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1766	X = 425465 Y = 1795213 Z = 227407	15 14 10	LAT. = 7 1 36.5 LONG. = 76 40 .9 RAD. = 1858903.5	1.1 1.6 13.5
1768	X = 499621 Y = 1772065 Z = 253094	14 13 9	LAT. = 7 49 37.6 LONG. = 74 15 16.5 RAD. = 1858464.9	1.0 1.6 13.1
1770	X = 572813 Y = 1745436 Z = 278303	13 13 9	LAT. = 8 36 52.6 LONG. = 71 49 52.8 RAD. = 1857986.3	1.0 1.5 13.2
1772	X = 644942 Y = 1715396 Z = 302970	13 13 10	LAT. = 9 23 14.0 LONG. = 69 23 42.4 RAD. = 1857504.3	1.1 1.5 13.0
1774	X = 715757 Y = 1681998 Z = 327074	14 14 10	LAT. = 10 8 40.2 LONG. = 66 56 54.0 RAD. = 1856987.5	1.2 1.7 13.4
1776	X = 785169 Y = 1645341 Z = 350499	15 14 10	LAT. = 10 52 57.6 LONG. = 64 29 21.0 RAD. = 1856471.8	1.2 1.8 13.4
1778	X = 853182 Y = 1605357 Z = 373292	14 14 10	LAT. = 11 36 12.2 LONG. = 62 0 40.3 RAD. = 1855919.6	1.1 1.7 13.7
1780	X = 919542 Y = 1562216 Z = 395381	16 14 11	LAT. = 12 18 14.8 LONG. = 59 31 6.1 RAD. = 1855371.0	1.2 1.9 13.9
1782	X = 984029 Y = 1516021 Z = 416679	16 15 11	LAT. = 12 58 56.3 LONG. = 57 0 46.6 RAD. = 1854792.2	1.2 1.9 13.9
1784	X = 1046630 Y = 1466816 Z = 437147	16 15 11	LAT. = 13 38 11.0 LONG. = 54 29 26.5 RAD. = 1854206.2	1.2 1.9 13.9
1786	X = 1107181 Y = 1414701 Z = 456794	17 15 12	LAT. = 14 15 59.8 LONG. = 51 57 8.5 RAD. = 1853615.0	1.3 2.0 14.2

EXPOSURE STATIONS
 MISSILE 17 - REV 38
 (CONTINUED)

STATION NO	CARTESIAN COORDINATES	STD DEV	SPHERICAL POSITION	STD DEV
1788	X = 110082 Y = 129789 Z = 110551	17 15 12	LAT. = 14 52 14.4 LONG. = 49 23 56.4 RAD. = 1853001.9	1.3 2.1 14.5
1790	X = 1221483 Y = 1302302 Z = 493297	17 15 13	LAT. = 15 26 39.7 LONG. = 46 50 3.0 RAD. = 1852390.8	1.4 2.1 14.5
1792	X = 1275092 Y = 1242130 Z = 510148	17 16 13	LAT. = 15 59 29.3 LONG. = 44 14 59.2 RAD. = 1851755.4	1.4 2.1 14.9
1794	X = 1326212 Y = 1179499 Z = 525970	17 16 13	LAT. = 16 30 25.5 LONG. = 41 38 56.7 RAD. = 1851134.8	1.4 2.2 15.0
1796	X = 1374671 Y = 1114544 Z = 540773	18 16 13	LAT. = 16 59 29.4 LONG. = 39 2 3.0 RAD. = 1850504.2	1.4 2.2 15.5
1793	X = 1420426 Y = 1047332 Z = 554502	19 16 14	LAT. = 17 26 34.0 LONG. = 36 24 9.8 RAD. = 1849861.5	1.5 2.3 16.1
1800	X = 1463410 Y = 977945 Z = 567144	19 17 14	LAT. = 17 51 36.5 LONG. = 33 45 12.2 RAD. = 1849215.4	1.5 2.3 16.4
1802	X = 1503428 Y = 906673 Z = 573651	18 17 14	LAT. = 18 14 30.3 LONG. = 31 5 34.6 RAD. = 1848564.0	1.5 2.3 16.6
1804	X = 1540433 Y = 833523 Z = 589021	19 17 14	LAT. = 18 35 14.1 LONG. = 28 25 5.5 RAD. = 1847920.2	1.5 2.3 16.8
1806	X = 1574474 Y = 753663 Z = 598216	19 18 14	LAT. = 18 53 42.7 LONG. = 25 45 37.8 RAD. = 1847268.2	1.5 2.4 17.0
1808	X = 1605304 Y = 671512 Z = 607277	19 18 14	LAT. = 19 9 55.5 LONG. = 23 13 35.4 RAD. = 1846620.8	1.4 2.4 17.5

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1810	X = 1632923 Y = 604540 Z = 613047	19 19 14	LAT. = 19 23 45.3 LONG. = 20 13 55.9 RAD. = 1846005.0	1.5 2.4 17.9
1812	X = 1657235 Y = 525599 Z = 618620	19 19 13	LAT. = 19 35 11.3 LONG. = 17 35 47.9 RAD. = 1845365.0	1.4 2.5 18.3
1814	X = 1678219 Y = 445607 Z = 622957	20 20 14	LAT. = 19 44 11.2 LONG. = 14 52 13.0 RAD. = 1844738.1	1.4 2.5 18.7
1816	X = 1695841 Y = 364584 Z = 626070	20 21 14	LAT. = 19 50 11.3 LONG. = 12 7 59.4 RAD. = 1844115.5	1.4 2.6 19.3
1818	X = 1710039 Y = 282805 Z = 627918	20 22 14	LAT. = 19 54 51.0 LONG. = 9 23 26.0 RAD. = 1843500.4	1.4 2.7 20.0
1820	X = 1720730 Y = 200629 Z = 628484	20 23 13	LAT. = 19 56 24.1 LONG. = 6 39 1.4 RAD. = 1842866.7	1.3 2.8 20.6
1821	X = 1724804 Y = 159234 Z = 628305	21 23 13	LAT. = 19 56 14.7 LONG. = 5 16 28.6 RAD. = 1842571.6	1.3 2.8 20.9
1822	X = 1727984 Y = 117888 Z = 627804	21 23 13	LAT. = 19 55 27.2 LONG. = 3 54 10.2 RAD. = 1842271.2	1.2 2.8 21.2
1824	X = 1731747 Y = 34938 Z = 625858	21 25 13	LAT. = 19 51 58.5 LONG. = 1 9 20.9 RAD. = 1841702.2	1.3 3.0 22.2
1825	X = 1732307 Y = -5614 Z = 624408	22 26 14	LAT. = 19 49 17.4 LONG. = 0 13 7.5 RAD. = 1841416.8	1.3 3.1 22.9
1826	X = 1731994 Y = -43037 Z = 622654	22 26 14	LAT. = 19 45 59.6 LONG. = 1 35 25.2 RAD. = 1841144.8	1.3 3.1 23.7

EXPOSURE STATIONS
MISSION 17 - REV 38
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
1828	X = 1728702	26	LAT. = 19 37 28.9	1.5
	Y = -131178	29	LONG. = - 4 20 21.9	3.3
	Z = 618174	15	RAD. = 184058.1	27.7

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EXPOSURE STATIONS MISSION 17 - REV 62

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2200	X = -6447 Y = 1845589 Z = -146247	12 13 11	LAT. = - 4 31 50.5 LONG. = 90 12 .6 RAD. = 1851385.6	1.3 1.3 12.9
2202	X = 69485 Y = 1846441 Z = -114395	10 12 10	LAT. = - 3 32 33.7 LONG. = 87 50 41.6 RAD. = 1851286.1	1.1 1.1 11.8
2204	X = 145288 Y = 1843689 Z = -82315	11 12 9	LAT. = - 2 32 54.6 LONG. = 85 29 39.3 RAD. = 1851235.3	1.0 1.2 11.6
2206	X = 220794 Y = 1837263 Z = -50068	11 12 8	LAT. = - 1 32 59.4 LONG. = 83 8 50.3 RAD. = 1851160.1	.9 1.3 11.5
2208	X = 295890 Y = 1827207 Z = -17730	11 12 8	LAT. = - 0 32 55.7 LONG. = 80 48 5.8 RAD. = 1851094.3	.9 1.2 11.7
2210	X = 370309 Y = 1813559 Z = 14607	11 12 8	LAT. = 0 27 7.7 LONG. = 78 27 34.1 RAD. = 1851036.7	.9 1.3 12.0
2212	X = 443981 Y = 1796329 Z = 46897	12 12 8	LAT. = 1 27 6.5 LONG. = 76 7 1.2 RAD. = 1850977.0	.9 1.4 12.0
2214	X = 516833 Y = 1775547 Z = 79121	12 13 8	LAT. = 2 26 59.8 LONG. = 73 46 14.1 RAD. = 1850930.7	.9 1.3 12.7
2216	X = 588651 Y = 1751256 Z = 111196	13 13 9	LAT. = 3 26 39.3 LONG. = 71 25 15.3 RAD. = 1850883.7	1.0 1.5 12.4
2218	X = 659253 Y = 1723515 Z = 143027	13 13 9	LAT. = 4 25 55.4 LONG. = 69 4 4.4 RAD. = 1850830.5	1.0 1.5 12.8
2220	X = 728629 Y = 1692363 Z = 174619	14 14 9	LAT. = 5 24 49.6 LONG. = 66 42 22.4 RAD. = 1850806.6	1.0 1.5 14.1

EXPOSURE STATIONS

MISSION 17 - REV 66

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2630	X = -238479 Y = 1811842 Z = -291501	12 14 12	LAT. = - 9 3 46.6 LONG. = 97 29 53.9 RAD. = 1850572.4	1.3 1.3 14.4
2632	X = -162724 Y = 1824711 Z = -261446	10 12 9	LAT. = - 8 7 19.5 LONG. = 95 5 45.7 RAD. = 1850514.1	1.0 1.1 12.0
2634	X = -86569 Y = 1833959 Z = -230846	10 12 9	LAT. = - 7 9 59.0 LONG. = 92 42 9.2 RAD. = 1850456.7	1.0 1.1 11.7
2636	X = -10283 Y = 1839567 Z = -199809	9 1 8	LAT. = - 6 11 56.1 LONG. = 90 19 13.0 RAD. = 1850415.4	.9 1.0 11.3
2638	X = 66081 Y = 1841525 Z = -168346	10 11 9	LAT. = - 5 13 11.7 LONG. = 87 56 41.6 RAD. = 1850384.0	9 1.2 11.3
2640	X = 142307 Y = 1839800 Z = -136547	10 11 8	LAT. = - 4 13 55.3 LONG. = 85 34 37.3 RAD. = 1850340.7	.9 1.1 11.4
2642	X = 218241 Y = 1834396 Z = -104488	11 12 8	LAT. = - 3 14 14.2 LONG. = 83 12 55.1 RAD. = 1850285.6	.9 1.2 11.5
2644	X = 293716 Y = 1825371 Z = -72231	12 12 8	LAT. = - 2 14 14.3 LONG. = 80 51 32.5 RAD. = 1850261.3	.9 1.3 11.9
2646	X = 368634 Y = 1812686 Z = -39837	12 13 8	LAT. = - 1 14 1.4 LONG. = 78 30 17.6 RAD. = 1850218.3	.9 1.3 12.4
2648	X = 442758 Y = 1796425 Z = -7381	12 13 9	LAT. = - 0 13 42.9 LONG. = 76 9 16.1 RAD. = 1850197.6	1.0 1.4 12.4
2650	X = 516021 Y = 1776591 Z = 25096	12 13 8	LAT. = 0 46 37 9 LONG. = 73 48 13.6 RAD. = 1850184.3	.9 1.3 12.4

EXPOSURE STATIONS
MISSION 17 - REV 66
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2652	X = 588240 Y = 1753217 Z = 57544	13 13 9	LAT. = 1 46 56.3 LONG. = 71 27 8.4 RAD. = 1850163.7	1.0 1.5 12.6
2654	X = 659318 Y = 1726362 Z = 89843	13 13 9	LAT. = 2 47 .1 LONG. = 69 5 51.2 RAD. = 1850161.2	1.0 1.5 12.7
2656	X = 729076 Y = 1696080 Z = 121992	13 13 9	LAT. = 3 46 50.1 LONG. = 66 44 20.8 RAD. = 1850168.1	1.0 1.5 13.1
2658	X = 797366 Y = 1662426 Z = 153893	14 14 9	LAT. = 4 46 16.5 LONG. = 64 22 32.7 RAD. = 1850171.9	1.0 1.6 13.7
2660	X = 864 90 Y = 1625487 Z = 185472	17 17 11	LAT. = 5 45 11.6 LONG. = 62 0 19.5 RAD. = 1850205.5	1.2 1.9 16.0
2700	X = 1692755 Y = 344911 Z = 666136	21 22 14	LAT. = 21 5 11.7 LONG. = 11 31 .4 RAD. = 1851518.5	1.4 2.7 20.7
2702	X = 1702375 Y = 263672 Z = 678884	20 22 14	LAT. = 21 30 31.6 LONG. = 8 48 15.4 RAD. = 1851617.0	1.4 2.7 20.2
2704	X = 1708598 Y = 181888 Z = 690278	21 22 15	LAT. = 21 53 12.9 LONG. = 6 4 35.5 RAD. = 1851721.6	1.5 2.8 20.6
2706	X = 1711412 Y = 99722 Z = 700303	20 23 14	LAT. = 22 13 12.6 LONG. = 3 20 5.2 RAD. = 1851836.4	1.5 2.8 20.9
2708	X = 1710793 Y = 17393 Z = 708932	20 23 14	LAT. = 22 30 27.0 LONG. = 0 34 57.0 RAD. = 1851944.8	1.4 2.8 21.3
2710	X = 1706751 Y = -65022 Z = 716164	21 24 15	LAT. = 22 44 54.4 LONG. = - 2 10 54.3 RAD. = 1852057.5	1.6 2.0 21.8

EXPOSURE STATIONS
MISSION 17 - REV 66
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2712	X = 1699301 Y = -147307 Z = 721959	20 25 14	LAT. = 22 56 29.2 LONG. = - 4 57 15.9 RAD. = 1852174.1	1.4 2.9 22.2
2714	X = 1688434 Y = -229388 Z = 726334	21 26 16	LAT. = 23 5 12.9 LONG. = - 7 44 12.2 RAD. = 1852292.8	1.6 3.0 22.8
2716	X = 1674182 Y = -310928 Z = 729260	21 26 16	LAT. = 23 11 2.2 LONG. = - 10 31 15.9 RAD. = 1852399.1	1.6 3.0 23.3
2718	X = 1656600 Y = -391875 Z = 730717	21 27 15	LAT. = 23 13 52.7 LONG. = - 3 18 32.0 RAD. = 1852521.8	1.5 3.1 23.8
2720	X = 1635659 Y = -472148 Z = 730746	21 28 15	LAT. = 23 13 50.4 LONG. = - 16 6 4.6 RAD. = 1852644.6	1.5 3.1 24.3
2722	X = 1611487 Y = -551341 Z = 729301	21 28 15	LAT. = 23 10 49.6 LONG. = - 18 53 14.8 RAD. = 1852768.0	1.5 3.2 24.9
2724	X = 1584031 Y = -629587 Z = 726397	22 29 15	LAT. = 23 4 52.4 LONG. = - 21 40 32.8 RAD. = 1852886.2	1.4 3.3 25.4
2726	X = 1553400 Y = -706580 Z = 722055	22 30 15	LAT. = 22 56 1.1 LONG. = - 24 27 32.1 RAD. = 1853016.9	1.4 3.4 26.1
2728	X = 1519671 Y = -782092 Z = 716287	22 31 15	LAT. = 22 44 18.6 LONG. = - 27 13 56.7 RAD. = 1853141.9	1.4 3.4 26.7
2730	X = 1482780 Y = -856277 Z = 709057	23 32 15	LAT. = 22 29 40.9 LONG. = - 30 0 20.1 RAD. = 1853269.8	1.4 3.6 27.5
2732	X = 1443227 Y = -928126 Z = 700471	24 34 15	LAT. = 22 12 24.6 LONG. = - 32 44 44.0 RAD. = 1853393.3	1.5 3.6 29.4

EXPOSURE STATIONS MISSION 17 - REV 74

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2804	X = -905310 Y = 1494849 Z = -602457	15 16 15	LAT. = -19 1 14.4 LONG. = 121 11 59.8 RAD. = 1848544.3	1.6 1.8 15.7
2806	X = -838741 Y = 1540477 Z = -583346	14 15 14	LAT. = -18 23 46.5 LONG. = 118 34 2.4 RAD. = 1848447.3	1.6 1.7 15.3
2808	X = -770464 Y = 1562963 Z = -563049	14 15 14	LAT. = -17 44 7.5 LONG. = 115 57 11.7 RAD. = 1848353.5	1.5 1.7 15.2
2810	X = -700651 Y = 1622282 Z = -541636	13 14 13	LAT. = -17 2 26.6 LONG. = 113 21 33.0 RAD. = 1848264.0	1.4 1.5 14.6
2812	X = -629425 Y = 1658355 Z = -519131	12 14 13	LAT. = -16 18 47.1 LONG. = 110 47 2.9 RAD. = 1848192.1	1.4 1.4 14.1
2814	X = -556962 Y = 1691061 Z = -495619	13 14 13	LAT. = -15 33 20.5 LONG. = 108 13 46.7 RAD. = 1848115.8	1.5 1.7 14.4
2816	X = -483359 Y = 1720385 Z = -471094	12 14 12	LAT. = -14 46 6.5 LONG. = 105 41 35.6 RAD. = 1848050.3	1.3 1.4 14.1
2818	X = -408761 Y = 1746258 Z = -445632	13 14 13	LAT. = -13 57 14.5 LONG. = 103 10 28.2 RAD. = 1847996.3	1.4 1.4 14.1
2820	X = -333419 Y = 1768606 Z = -419284	12 14 12	LAT. = -13 6 50.7 LONG. = 100 40 34.2 RAD. = 1847953.9	1.3 1.4 14.3
2822	X = -257340 Y = 1787447 Z = -392096	10 13 11	LAT. = -12 15 .2 LONG. = 98 11 33.4 RAD. = 1847953.2	1.2 1.2 13.6
2824	X = -180828 Y = 1802643 Z = -364152	11 13 12	LAT. = -11 21 54.3 LONG. = 95 43 42.0 RAD. = 1847925.6	1.3 1.2 13.4

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2826	X = -103921 Y = 1814244 Z = -335467	10 13 10	LAT. = -10 27 33.5 LONG. = 93 16 42.0 RAD. = 1847922.6	1.1 1.1 12.7
2828	X = -26833 Y = 1822187 Z = -306128	10 12 10	LAT. = - 9 32 8.3 LONG. = 90 50 37.1 RAD. = 1847917.1	1.1 1.1 12.2
2830	X = 50349 Y = 1826495 Z = -276171	10 13 10	LAT. = - 8 35 41.7 LONG. = 88 25 15.5 RAD. = 1847942.1	1.1 1.1 12.8
2832	X = 127445 Y = 1827 Z = -245662	10 13 10	LAT. = - 7 38 21.5 LONG. = 86 0 36.0 RAD. = 1847967.6	1.1 1.2 12.6
2834	X = 204207 Y = 1824077 Z = -214664	11 13 10	LAT. = - 6 40 14.2 LONG. = 83 36 44.3 RAD. = 1847982.4	1.1 1.3 12.5
2836	X = 280626 Y = 1817368 Z = -183235	12 12 10	LAT. = - 5 41 25.3 LONG. = 81 13 19.6 RAD. = 1843013.0	1.1 1.4 12.3
2838	X = 356399 Y = 1807044 Z = -151456	11 12 9	LAT. = - 4 42 3.1 LONG. = 78 50 34.3 RAD. = 1848071.4	1.0 1.3 12.1
2840	X = 431493 Y = 1793072 Z = -119386	12 13 9	LAT. = - 3 42 13.7 LONG. = 76 28 9.6 RAD. = 1848119.4	1.0 1.4 12.4
2842	X = 505736 Y = 177508 Z = -27062	12 13 9	LAT. = - 2 42 .1 LONG. = 74 6 3.3 RAD. = 1848181.7	1.0 1.4 12.3
2844	X = 578943 Y = 1754589 Z = -54563	12 13 9	LAT. = - 1 41 30.7 LONG. = 71 44 14.2 RAD. = 1848251.4	1.0 1.4 12.7
2846	X = 650890 Y = 1724534 Z = -12017	13 13 9	LAT. = - 0 40 56.6 LONG. = 69 22 47.0 RAD. = 1843343.0	1.0 1.5 12.8

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2848	X = 721649 Y = 1701708 Z = 10626	14 14 9	LAT. = 0 19 45.7 LONG. = 67 1 10.2 RAD. = 1848431.8	1.0 1.6 13.2
2850	X = 791012 Y = 1670210 Z = 43262	14 14 9	LAT. = 1 20 27.7 LONG. = 64 39 27.9 RAD. = 1848559.5	1.0 1.6 13.3
2852	X = 858702 Y = 1635361 Z = 75804	14 14 9	LAT. = 2 21 .3 LONG. = 62 17 48.3 RAD. = 1848653.8	1.0 1.6 13.9
2854	X = 924713 Y = 1597255 Z = 108184	15 14 10	LAT. = 3 21 16.7 LONG. = 59 55 54.4 RAD. = 1848788.9	1.1 1.8 13.6
2856	X = 988858 Y = 1555952 Z = 140344	15 14 9	LAT. = 4 21 11.8 LONG. = 57 33 45.8 RAD. = 1848925.2	1.0 1.8 13.7
2858	X = 1051002 Y = 1511545 Z = 172212	15 14 9	LAT. = 5 20 38.4 LONG. = 55 11 18.5 RAD. = 1849062.1	1.0 1.8 14.0
2860	X = 1111037 Y = 1464133 Z = 203746	16 15 10	LAT. = 6 19 32.4 LONG. = 52 48 26.9 RAD. = 1849216.6	1.1 2.0 14.2
2862	X = 1168884 Y = 1413759 Z = 234890	16 15 10	LAT. = 7 17 48.8 LONG. = 50 24 58.7 RAD. = 1849371.2	1.1 1.9 14.4
2864	X = 1224367 Y = 1360590 Z = 265543	17 15 10	LAT. = 8 15 16.6 LONG. = 48 0 59.8 RAD. = 1849538.6	1.1 2.0 14.5
2866	X = 1277432 Y = 1304656 Z = 295692	17 16 10	LAT. = 9 11 55.4 LONG. = 45 36 14.7 RAD. = 1849701.2	1.1 2.0 14.6
	X = 1323015 Y = 1248363 Z = 325233	18 16 10	LAT. = 10 7 39.0 LONG. = 43 10 35.3 RAD. = 1849893.4	1.1 2.1 15.0

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2870	X = 1375920 Y = 1184977 Z = 354233	18 16 11	LAT. = 11 2 18.6 LONG. = 40 44 9.1 RAD. = 1850083.0	1.1 2.1 15.2
2872	X = 1421088 Y = 112147° Z = 382480	18 16 11	LAT. = 11 55 47.8 LONG. = 38 16 45.8 RAD. = 1850268.9	1.1 2.1 15.5
2874	X = 1463387 Y = 1055805 Z = 409937	18 17 11	LAT. = 12 47 56.2 LONG. = 35 48 35.0 RAD. = 1850479.0	1.2 2.3 15.8
2876	X = 1502741 Y = 988020 Z = 436602	19 17 11	LAT. = 13 38 43.7 LONG. = 33 19 26.6 RAD. = 1850685.4	1.2 2.3 16.2
2878	X = 1539132 Y = 918173 Z = 462407	19 18 11	LAT. = 14 28 2.8 LONG. = 30 49 5.8 RAD. = 1850889.1	1.2 2.3 16.7
2880	X = 1572412 Y = 846572 Z = 487270	19 19 12	LAT. = 15 15 42.9 LONG. = 28 17 51.4 RAD. = 1851106.2	1.3 2.5 16.9
2882	X = 1602573 Y = 773190 Z = 511188	20 19 12	LAT. = 16 1 43.9 LONG. = 25 45 21.0 RAD. = 1851317.3	1.3 2.5 17.5
2884	X = 1629525 Y = 698296 Z = 534077	19 19 12	LAT. = 16 45 54.6 LONG. = 23 11 47.3 RAD. = 1851541.7	1.2 2.4 17.7
2886	X = 1653203 Y = 621964 Z = 555914	19 19 12	LAT. = 17 28 13.0 LONG. = 20 37 1.8 RAD. = 1851745.5	1.2 2.5 18.0
2888	X = 1673587 Y = 544424 Z = 576646	20 20 13	LAT. = 18 8 30.1 LONG. = 18 1 11.7 RAD. = 1851974.9	1.3 2.5 18.5
2890	X = 1690617 Y = 465745 Z = 596241	20 20 13	LAT. = 18 46 42.8 LONG. = 15 24 8.1 RAD. = 1852189.9	1.3 2.6 18.8

EXPOSURE STATIONS
MISSION 17 - REV 74
(CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2892	X = 1704281 Y = 386048 Z = 614661	20 21 14	LAT. = 19 22 44.9 LONG. = 12 45 47.0 RAD. = 1852408.2	1.4 2.7 19.2
2894	X = 1714531 Y = 305637 Z = 631869	20 22 13	LAT. = 19 56 30.0 LONG. = 10 6 27.1 RAD. = 1852643.1	1.3 2.7 19.6
2896	X = 1721344 Y = 224586 Z = 647806	20 22 14	LAT. = 20 27 51.5 LONG. = 7 26 .4 RAD. = 1852867.7	1.4 2.8 20.1
2898	X = 1724703 Y = 143086 Z = 662468	20 23 14	LAT. = 20 56 47.0 LONG. = 4 44 33.2 RAD. = 1853088.4	1.4 2.8 20.7
2900	X = 1724600 Y = 61380 Z = 675801	21 24 15	LAT. = 21 23 9.2 LONG. = 2 2 18.1 RAD. = 1853299.9	1.6 2.9 21.2
2902	X = 1721091 Y = -20502 Z = 687789	20 24 14	LAT. = 21 46 53.2 LONG. = - 0 40 56.9 RAD. = 1853544.4	1.4 2.9 21.6
2904	X = 1714109 Y = -102322 Z = 698409	21 24 14	LAT. = 22 7 57.8 LONG. = - 3 24 58.2 RAD. = 1853756.4	1.3 2.9 22.2
2906	X = 1703705 Y = -184051 Z = 707659	20 25 14	LAT. = 22 26 19.6 LONG. = - 6 9 56.7 RAD. = 1853986.7	1.4 2.9 22.5
2908	X = 1689870 Y = -265482 Z = 715503	21 26 15	LAT. = 22 41 54.3 LONG. = - 8 55 42.0 RAD. = 1854207.7	1.5 3.0 23.0
2910	X = 1672682 Y = -346236 Z = 721904	21 27 15	LAT. = 22 54 36.6 LONG. = - 11 41 41.0 RAD. = 1854424.5	1.5 3.0 23.6
2912	X = 1652120 Y = -426337 Z = 726320	21 27 15	LAT. = 23 4 28.0 LONG. = - 14 23 12.0 RAD. = 1854651.7	1.5 3.1 24.1

EXPOSURE STATIONS MISSION 17 - REV 74 (CONTINUED)

FRAME NO.	CARTESIAN POSITION	STD DEV	SPHERICAL POSITION	STD DEV
2914	X = 1628250 Y = -505723 Z = 730412	21 28 15	LAT. = 23 11 24.9 LONG. = - 17 15 16.0 RAD. = 1854846.4	1.5 3.1 24.6
2916	X = 1601107 Y = -534098 Z = 732503	21 28 15	LAT. = 23 15 27.4 LONG. = - 20 2 32.6 RAD. = 1855067.3	1.4 3.2 25.2
2918	X = 1570757 Y = -661255 Z = 733134	21 29 15	LAT. = 23 16 34.2 LONG. = - 22 49 48.1 RAD. = 1855268.8	1.5 3.2 25.7
2920	X = 1537224 Y = -737209 Z = 732289	22 30 15	LAT. = 23 14 42.2 LONG. = - 25 37 15.8 RAD. = 1855473.7	1.5 3.3 26.3
2922	X = 1500666 Y = -811547 Z = 730003	23 31 16	LAT. = 23 9 56.2 LONG. = - 28 24 14.9 RAD. = 1855670.6	1.6 3.4 27.0
2924	X = 1461044 Y = -88437 Z = 726251	23 32 15	LAT. = 23 2 13.6 LONG. = - 31 11 14.0 RAD. = 1855866.9	1.5 3.5 27.8
2926	X = 1418557 Y = -955360 Z = 721065	24 33 15	LAT. = 22 51 38.6 LONG. = - 33 57 33.1 RAD. = 1856058.1	1.5 3.6 28.7
2928	X = 1373112 Y = -1024594 Z = 714416	25 34 16	LAT. = 22 38 9.1 LONG. = - 36 43 46.9 RAD. = 1856238.5	1.6 3.7 30.1
2930	X = 1324929 Y = -1091748 Z = 706364	27 36 17	LAT. = 22 21 52.3 LONG. = - 39 29 19.3 RAD. = 1856421.6	1.6 3.9 31.8
2932	X = 1274072 Y = -1156145 Z = 696891	28 38 17	LAT. = 22 2 47.2 LONG. = - 42 14 12.0 RAD. = 1856602.9	1.7 4.1 33.8